Recent contributions of glaciers and ice caps to sea leve

Nature

482, 514-518

DOI: 10.1038/nature10847

Citation Report

#	Article	IF	Citations
1	Remote Sensing of the Ross Ice Streams and Adjacent Ross Ice Shelf, Antarctica. Annals of Glaciology, 1987, 9, 20-29.	2.8	12
2	Monte Carlo ice flow modeling projects a new stable configuration for Columbia Glacier, Alaska, c. 2020. Cryosphere, 2012, 6, 1395-1409.	1.5	52
3	Extrapolating glacier mass balance to the mountain-range scale: the European Alps 1900â€“2100. Cryosphere, 2012, 6, 713-727.	1.5	113
4	Himalayan glaciers in the balance. Nature, 2012, 488, 468-469.	13.7	30
5	Ice loss from the Southern Patagonian Ice Field, South America, between 2000 and 2012. Geophysical Research Letters, 2012, 39, .	1.5	128
6	Estimating glacier mass changes by GRACE satellite gravimetry in the Pamir and Tien-Shan mountains, Central Asia. , 2012, , .		1
7	Grace time variable gravity field for monitoring natural hazards. , 2012, , .		0
8	Hot spells on land. Nature Geoscience, 2012, 5, 306-307.	5.4	2
9	Fluctuating gravity of Earthâ€™s core. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19039-19040.	3.3	2
10	Lower satellite-gravimetry estimates of Antarctic sea-level contribution. Nature, 2012, 491, 586-589.	13.7	159
11	Different glacier status with atmospheric circulations in Tibetan Plateau and surroundings. Nature Climate Change, 2012, 2, 663-667.	8.1	1,979
12	Accelerated contributions of Canada's Baffin and Bylot Island glaciers to sea level rise over the past half century. Cryosphere, 2012, 6, 1103-1125.	1.5	61
13	Past and future sea-level change from the surface mass balance of glaciers. Cryosphere, 2012, 6, 1295-1322.	1.5	422
14	Aerial Photographs Reveal Lateâ€“20th-Century Dynamic Ice Loss in Northwestern Greenland. Science, 2012, 337, 569-573.	6.0	81
15	Glaciology. Progress in Physical Geography, 2012, 36, 813-832.	1.4	1
16	Shrinking glaciers under scrutiny. Nature, 2012, 482, 482-483.	13.7	20
17	Uncovered spurious jumps in the GRACE atmospheric de-aliasing data: potential contamination of GRACE observed mass change. Geophysical Journal International, 2012, 191, 83-87.	1.0	14
18	Biogeochemically diverse organic matter in Alpine glaciers and its downstream fate. Nature Geoscience, 2012, 5, 710-714.	5.4	254

#	Article	IF	Citations
19	Toward a physically plausible upper bound of sea-level rise projections. Climatic Change, 2012, 115, 893-902.	1.7	51
20	Rapid sea-level rise. Quaternary Science Reviews, 2012, 56, 11-30.	1.4	77
21	Measuring glacier change in the Himalayas. Environmental Development, 2012, 4, 172-183.	1.8	2
22	Climate Change Impacts on Glacier Hydrology and River Discharge in the Hindu Kushâ€“Himalayas. Mountain Research and Development, 2012, 32, 461-467.	0.4	116
23	Molecular Characterization of Dissolved Organic Matter in Glacial Ice: Coupling Natural Abundance ¹H NMR and Fluorescence Spectroscopy. Environmental Science & Technology, 2012, 46, 3753-3761.	4.6	61
24	Geochemistry articles â€“ February 2012. Organic Geochemistry, 2012, 46, e1-e27.	0.9	4
25	Glacial lake distribution in the Mount Everest region: Uncertainty of measurement and conditions of formation. Global and Planetary Change, 2012, 92-93, 30-39.	1.6	115
26	Dynamics of fast glaciers in the Patagonia Icefields derived from TerraSAR-X and TanDEM-X data. , 2012, , .		8
27	Contrasting patterns of early twenty-first-century glacier mass change in the Himalayas. Nature, 2012, 488, 495-498.	13.7	951
28	Comment on â€œOcean mass from GRACE and glacial isostatic adjustmentâ€•by D. P. Chambers et al.. Journal of Geophysical Research, 2012, 117, .	3.3	25
29	Summer melt rates on Penny Ice Cap, Baffin Island: Past and recent trends and implications for regional climate. Journal of Geophysical Research, 2012, 117, .	3.3	50
30	Past and future contribution of global groundwater depletion to seaâ€level rise. Geophysical Research Letters, 2012, 39, .	1.5	258
31	Sensitivity and response of Bhutanese glaciers to atmospheric warming. Geophysical Research Letters, 2012, 39, .	1.5	38
32	Uncertainty in the velocity between the mass center and surface of Earth. Journal of Geophysical Research, 2012, 117, .	3.3	39
33	Using nonlinear programming to correct leakage and estimate mass change from GRACE observation and its application to Antarctica. Journal of Geophysical Research, 2012, 117, .	3.3	15
34	Potential for bias in 21st century semiempirical sea level projections. Journal of Geophysical Research, 2012, 117, .	3.3	8
35	Comment on â€œOcean heat content and EarthÊ¼s radiation imbalance. II. Relation to climate shiftsâ€• Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 3466-3468.	0.9	16
36	On the computation of mass-change trends from GRACE gravity field time-series. Journal of Geodynamics, 2012, 61, 120-128.	0.7	12

#	Article	IF	Citations
37	Climate change impacts on glaciers and runoff in Tien Shan (Central Asia). Nature Climate Change, 2012, 2, 725-731.	8.1	714
38	Recent advances in mountain climate research. Theoretical and Applied Climatology, 2012, 110, 549-553.	1.3	24
39	Glaciologists to target third pole. Nature, 2012, 484, 19-19.	13.7	4
40	Witnessing a glacier's race to the sea. Nature, 2012, , .	13.7	0
41	Tibetan glaciers shrinking rapidly. Nature, 2012, , .	13.7	3
42	Himalayan glacier data settle on the middle ground. Nature, 2012, , .	13.7	1
43	Automated mapping of Earth's annual minimum exposed snow and ice with MODIS. Geophysical Research Letters, 2012, 39, .	1.5	23
44	Recent mass changes of glaciers in the Russian High Arctic. Geophysical Research Letters, 2012, 39, .	1.5	82
45	Model estimates of sea-level change due toÂanthropogenic impacts on terrestrial waterÂstorage. Nature Geoscience, 2012, 5, 389-392.	5.4	201
46	No ice lost in the Karakoram. Nature Geoscience, 2012, 5, 305-306.	5.4	23
47	The State and Fate of Himalayan Glaciers. Science, 2012, 336, 310-314.	6.0	1,633
48	Bias in GRACE estimates of ice mass change due to accompanying sea-level change. Journal of Geodesy, 2013, 87, 387-392.	1.6	10
49	Refining spatial resolution and spillovers of a micro-econometric analysis of adapting portfolios to climate change using the global positioning system. Mitigation and Adaptation Strategies for Global Change, 2013, 18, 1019-1034.	1.0	17
50	Modeling and analysis of lake water storage changes on the Tibetan Plateau using multi-mission satellite data. Remote Sensing of Environment, 2013, 135, 25-35.	4.6	305
51	Sea-Level Rise Impacts and Responses: A Global Perspective. Coastal Research Library, 2013, , 117-149.	0.2	38
52	Sea-Level Rise and Coastal Ecosystems. , 2013, , 163-184.		4
53	Sea-Level Rise and Health. , 2013, , 39-47.		3
54	Climate-model induced differences in the 21st century global and regional glacier contributions to sea-level rise. Climate Dynamics, 2013, 41, 3283-3300.	1.7	68

#	Article	IF	Citations
55	Semiempirical and processâ€based global sea level projections. Reviews of Geophysics, 2013, 51, 484-522.	9.0	66
56	A review of climatic controls on Î´¹⁸O in precipitation over the Tibetan Plateau: Observations and simulations. Reviews of Geophysics, 2013, 51, 525-548.	9.0	654
57	Comparison of thermal structure and evolution between neighboring subarctic glaciers. Journal of Geophysical Research F: Earth Surface, 2013, 118, 1443-1459.	1.0	30
58	Recent changes in the snout position and surface velocity of Gangotri glacier observed from space. International Journal of Remote Sensing, 2013, 34, 8653-8668.	1.3	30
59	Elevation changes of Bering Glacier System, Alaska, from 1992 to 2010, observed by satellite radar altimetry. Remote Sensing of Environment, 2013, 132, 40-48.	4.6	20
60	A Reconciled Estimate of Glacier Contributions to Sea Level Rise: 2003 to 2009. Science, 2013, 340, 852-857.	6.0	1,044
61	Impact of climate change on wheat productivity in Central Asia. Agriculture, Ecosystems and Environment, 2013, 178, 78-99.	2.5	141
62	Assessing the global averaged sea-level budget from 2003 to 2010. Acta Oceanologica Sinica, 2013, 32, 16-23.	0.4	10
63	Characterizing the surface radiation budget over the Tibetan Plateau with groundâ€measured, reanalysis, and remote sensing data sets: 1. Methodology. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9642-9657.	1.2	32
64	Surface velocities and ice-front positions of eight major glaciers in the Southern Patagonian Ice Field, South America, from 2002 to 2011. Remote Sensing of Environment, 2013, 139, 50-59.	4.6	28
65	The role of satellite remote sensing in climate change studies. Nature Climate Change, 2013, 3, 875-883.	8.1	350
66	Anthropogenic impacts on mass change in North China. Geophysical Research Letters, 2013, 40, 3924-3928.	1.5	74
67	Exploitation of Landsat data for snow zonation mapping in the Hindukush, Karakoram and Himalaya (HKH) region of Pakistan. Hydrological Sciences Journal, 2013, 58, 1088-1096.	1.2	7
68	Timeâ€variable gravity observations of ice sheet mass balance: Precision and limitations of the GRACE satellite data. Geophysical Research Letters, 2013, 40, 3055-3063.	1.5	166
69	Causes for Contemporary Regional Sea Level Changes. Annual Review of Marine Science, 2013, 5, 21-46.	5.1	312
70	Influence of Continental Ice Retreat on Future Global Climate. Journal of Climate, 2013, 26, 3087-3111.	1.2	22
71	Continental mass change from GRACE over 2002â€“2011 and its impact on sea level. Journal of Geodesy, 2013, 87, 117-125.	1.6	21
72	Glaciers and ice caps: Vulnerable water resources in a warming climate. Current Opinion in Environmental Sustainability, 2013, 5, 590-598.	3.1	20

#	Article	IF	Citations
73	Comparison of cryoconite organic matter composition from Arctic and Antarctic glaciers at the molecular-level. Geochimica Et Cosmochimica Acta, 2013, 104, 1-18.	1.6	33
74	Dust and temperature influences on glaciofluvial sediment deposition in southwestern Tibet during the last millennium. Global and Planetary Change, 2013, 107, 132-144.	1.6	10
75	The Global Water Cycle. , 2013, , 399-417.		6
76	Contribution of Icelandic ice caps to sea level rise: Trends and variability since the Little Ice Age. Geophysical Research Letters, 2013, 40, 1546-1550.	1.5	83
77	Vertical and horizontal surface displacements near Jakobshavn IsbrÃ¦ driven by meltâ€induced and dynamic ice loss. Journal of Geophysical Research: Solid Earth, 2013, 118, 1837-1844.	1.4	32
78	What do we know about past changes in the water cycle of Central Asian headwaters? A review. Global and Planetary Change, 2013, 110, 4-25.	1.6	206
79	Irreversible mass loss of Canadian Arctic Archipelago glaciers. Geophysical Research Letters, 2013, 40, 870-874.	1.5	93
80	Recent glacier variations on active ice capped volcanoes in the Southern Volcanic Zone (37Â°â€“46Â°S), Chilean Andes. Journal of South American Earth Sciences, 2013, 45, 345-356.	0.6	25
81	Uncertainty in future regional sea level rise due to internal climate variability. Geophysical Research Letters, 2013, 40, 2768-2772.	1.5	53
82	Threeâ€dimensional velocity field of presentâ€day crustal motion of the Tibetan Plateau derived from GPS measurements. Journal of Geophysical Research: Solid Earth, 2013, 118, 5722-5732.	1.4	329
83	Greenland mass variation from timeâ€variable gravity in the absence of GRACE. Geophysical Research Letters, 2013, 40, 4289-4293.	1.5	15
84	Impact of Pacific and Atlantic sea surface temperatures on interannual and decadal variations of GRACE land water storage in tropical South America. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,811.	1.2	37
85	Deceleration in the Earth's oblateness. Journal of Geophysical Research: Solid Earth, 2013, 118, 740-747.	1.4	333
86	Land water contribution to sea level from GRACE and Jasonâ€1 measurements. Journal of Geophysical Research: Oceans, 2013, 118, 212-226.	1.0	27
87	Influence of sea ice decline, atmospheric warming, and glacier width on marineâ€terminating outlet glacier behavior in northwest Greenland at seasonal to interannual timescales. Journal of Geophysical Research F: Earth Surface, 2013, 118, 1210-1226.	1.0	75
88	Variability of the climatic mass balance of Vestfonna ice cap, northeastern Svalbard, 1979-2011. Annals of Glaciology, 2013, 54, 254-264.	2.8	13
89	Flow velocities of Alaskan glaciers. Nature Communications, 2013, 4, 2146.	5.8	86
90	Analysis of a GRACE global mascon solution for Gulf of Alaska glaciers. Journal of Glaciology, 2013, 59, 913-924.	1.1	75

#	Article	IF	Citations
91	Decelerated mass loss of Hurd and Johnsons Glaciers, Livingston Island, Antarctic Peninsula. Journal of Glaciology, 2013, 59, 115-128.	1.1	56
92	Volume and velocity changes at Mittivakkat Gletscher, southeast Greenland. Journal of Glaciology, 2013, 59, 660-670.	1.1	17
93	Changes in ice thickness and flow velocity of Yala Glacier, Langtang Himal, Nepal, from 1982 to 2009. Annals of Glaciology, 2013, 54, 157-162.	2.8	27
94	Rapid retreat, acceleration and thinning of Glaciar Upsala, Southern Patagonia Icefield, initiated in 2008. Annals of Glaciology, 2013, 54, 131-138.	2.8	48
95	Current Ice Loss in Small Glacier Systems of the Arctic Islands (Iceland, Svalbard, and the Russian High) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.3	21
96	A Test of Recent Inferences of Net Polar Ice Mass Balance based on Long-Wavelength Gravity. Journal of Climate, 2013, 26, 6535-6540.	1.2	5
97	Density assumptions for converting geodetic glacier volume change to mass change. Cryosphere, 2013, 7, 877-887.	1.5	476
98	Global glacier changes: a revised assessment of committed mass losses and sampling uncertainties. Cryosphere, 2013, 7, 1565-1577.	1.5	76
99	Influence of high-order mechanics on simulation of glacier response to climate change: insights from Haig Glacier, Canadian Rocky Mountains. Cryosphere, 2013, 7, 1527-1541.	1.5	31
100	The solid Earth's influence on sea level. Bulletin of the Geological Society of America, 2013, 125, 1027-1052.	1.6	156
101	Effects of the Tibetan Plateau Crustal Structure on the Inversion of Water Trend Rates Using Simulated GRACE/GPS Data. Terrestrial, Atmospheric and Oceanic Sciences, 2013, 24, 505.	0.3	3
102	Global Sea Level Projections to 2100 Using Methodology of the Intergovernmental Panel on Climate Change. Journal of Waterway, Port, Coastal and Ocean Engineering, 2013, 139, 82-87.	0.5	11
103	Thin films and nanostructured coatings for eco-efficient buildings. , 2013, , 161-187a.		2
104	Recent progress in understanding marine-terminating Arctic outlet glacier response to climatic and oceanic forcing. Progress in Physical Geography, 2013, 37, 436-467.	1.4	55
105	Region-wide glacier mass balances over the Pamir-Karakoram-Himalaya during 1999â€“2011. Cryosphere, 2013, 7, 1263-1286.	1.5	631
106	A scaling approach to project regional sea level rise and its uncertainties. Earth System Dynamics, 2013, 4, 11-29.	2.7	120
107	A particle based simulation model for glacier dynamics. Cryosphere, 2013, 7, 1591-1602.	1.5	56
108	<i>Brief communication</i> "The aerophotogrammetric map of Greenland ice masses". Cryosphere, 2013, 7, 445-449.	1.5	33

#	Article	IF	Citations
109	An approach to derive regional snow lines and glacier mass change from MODIS imagery, western North America. Cryosphere, 2013, 7, 667-680.	1.5	46
110	Projected Climate Change in the Hindu Kushâ€“Himalayan Region By Using the High-resolution Regional Climate Model PRECIS. Mountain Research and Development, 2013, 33, 142-151.	0.4	116
111	The Effects of Population on the Depletion of Fresh Water. Population and Development Review, 2013, 39, 687-704.	1.2	12
112	Surface elevation changes of glaciers derived from SRTM and TanDEM-X DEM differences. , 2013, , .		19
113	Simulating high-frequency atmosphere-ocean mass variability for dealiasing of satellite gravity observations: AOD1B RL05. Journal of Geophysical Research: Oceans, 2013, 118, 3704-3711.	1.0	103
114	Changes of glacial lakes and implications in Tian Shan, central Asia, based on remote sensing data from 1990 to 2010. Environmental Research Letters, 2013, 8, 044052.	2.2	104
115	Abrupt drainage cycles of the Fennoscandian Ice Sheet. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6682-6687.	3.3	63
116	Mitigation of short-lived climate pollutants slows sea-level rise. Nature Climate Change, 2013, 3, 730-734.	8.1	58
117	Uncertainty estimates of a GRACE inversion modelling technique over Greenland using a simulation. Geophysical Journal International, 2013, 194, 212-229.	1.0	35
118	Ice-sheet mass balance and climate change. Nature, 2013, 498, 51-59.	13.7	253
120	Estimation of glacier mass changes using GRACE satellite and numerical models. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2013, 69, I_53-I_59.	0.1	0
121	Lowâ€frequency radar sounding of temperate ice masses in Southern Alaska. Geophysical Research Letters, 2013, 40, 5399-5405.	1.5	42
122	Meteorological controls on glacier mass balance in High Asia. Annals of Glaciology, 2013, 54, 352-359.	2.8	23
123	¹⁰Be ages of late Pleistocene deglaciation and Neoglaciation in the northâ€central Brooks Range, Arctic Alaska. Journal of Quaternary Science, 2013, 28, 95-102.	1.1	45
124	Antarctica, Greenland and Gulf of Alaska land-ice evolution from an iterated GRACE global mascon solution. Journal of Glaciology, 2013, 59, 613-631.	1.1	341
125	Annual variation of coastal uplift in Greenland as an indicator of variable and accelerating ice mass loss. Geochemistry, Geophysics, Geosystems, 2013, 14, 1569-1589.	1.0	11
126	Estimating snow water equivalent from GPS vertical siteâ€position observations in the western United States. Water Resources Research, 2013, 49, 2508-2518.	1.7	25
127	Increased mass over the Tibetan Plateau: From lakes or glaciers?. Geophysical Research Letters, 2013, 40, 2125-2130.	1.5	242

#	Article	IF	Citations
128	Mass balance in the Glacier Bay area of Alaska, USA, and British Columbia, Canada, 1995â€“2011, using airborne laser altimetry. Journal of Glaciology, 2013, 59, 632-648.	1.1	36
129	Calibration of a higher-order 3-D ice-flow model of the Morteratsch glacier complex, Engadin, Switzerland. Annals of Glaciology, 2013, 54, 343-351.	2.8	28
130	On the response of Himalayan glaciers to climate change. Journal of Glaciology, 2013, 59, 480-490.	1.1	63
131	Estimating Total Discharge in the Yangtze River Basin Using Satellite-Based Observations. Remote Sensing, 2013, 5, 3415-3430.	1.8	36
132	Improved ice loss estimate of the northwestern Greenland ice sheet. Journal of Geophysical Research: Solid Earth, 2013, 118, 698-708.	1.4	19
133	Satellite-derived volume loss rates and glacier speeds for the Cordillera Darwin Icefield, Chile. Cryosphere, 2013, 7, 823-839.	1.5	40
134	Causes of Greenland temperature variability over the past 4000 yr: implications for northern hemispheric temperature changes. Climate of the Past, 2013, 9, 2299-2317.	1.3	28
135	Constraining GRACE-derived cryosphere-attributed signal to irregularly shaped ice-covered areas. Cryosphere, 2013, 7, 1901-1914.	1.5	5
136	Does Antarctic glaciation cool the world?. Climate of the Past, 2013, 9, 173-189.	1.3	45
137	Recently Deglaciated High-Altitude Soils of the Himalaya: Diverse Environments, Heterogenous Bacterial Communities and Long-Range Dust Inputs from the Upper Troposphere. PLoS ONE, 2013, 8, e76440.	1.1	66
138	Tree-ring-inferred glacier mass balance variation in southeastern Tibetan Plateau and its linkage with climate variability. Climate of the Past, 2013, 9, 2451-2458.	1.3	7
140	Assessment of heat sources on the control of fast flow of Vestfonna ice cap, Svalbard. Cryosphere, 2014, 8, 1951-1973.	1.5	16
141	Climate change implications for the glaciers of the Hindu Kush, Karakoram and Himalayan region. Cryosphere, 2014, 8, 941-958.	1.5	77
142	A global water cycle reanalysis (2003â€“2012) merging satellite gravimetry and altimetry observations with a hydrological multi-model ensemble. Hydrology and Earth System Sciences, 2014, 18, 2955-2973.	1.9	121
143	Melt Patterns and Dynamics in Alaska and Patagonia Derived from Passive Microwave Brightness Temperatures. Remote Sensing, 2014, 6, 603-620.	1.8	3
144	The Inylchek Glacier in Kyrgyzstan, Central Asia: Insight on Surface Kinematics from Optical Remote Sensing Imagery. Remote Sensing, 2014, 6, 841-856.	1.8	18
145	Feedbacks and mechanisms affecting the global sensitivity of glaciers to climate change. Cryosphere, 2014, 8, 59-71.	1.5	49
146	Low-frequency radar sounding of ice in East Antarctica and southern Greenland. Annals of Glaciology, 2014, 55, 138-146.	2.8	16

#	Article	IF	Citations
149	Application of a stochastic weather generator to assess climate change impacts in a semi-arid climate: The Upper Indus Basin. Journal of Hydrology, 2014, 517, 1019-1034.	2.3	60
150	Lowâ€frequency ocean bottom pressure variations in the <scp>N</scp>orth <scp>P</scp>acific in response to timeâ€variable surface winds. Journal of Geophysical Research: Oceans, 2014, 119, 5190-5202.	1.0	6
151	Observed run-off and suspended sediment dynamics from a minor glacierized basin in south-west Greenland. Geografisk Tidsskrift, 2014, 114, 93-108.	0.4	9
152	Estimating the volume of glaciers in the Himalayanâ€“Karakoram region using different methods. Cryosphere, 2014, 8, 2313-2333.	1.5	203
153	Direct measurement of glacier thinning on the southern Tibetan Plateau (Gurenhekou, Kangwure and) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.1	21
154	Surface-area changes of glaciers in the Tibetan Plateau interior area since the 1970s using recent Landsat images and historical maps. Annals of Glaciology, 2014, 55, 213-222.	2.8	71
156	Preliminary results of mass-balance observations of Yala Glacier and analysis of temperature and precipitation gradients in Langtang Valley, Nepal. Annals of Glaciology, 2014, 55, 9-14.	2.8	37
157	Estimation of ice thickness using surface velocities and slope: case study at Gangotri Glacier, India. Journal of Glaciology, 2014, 60, 277-282.	1.1	115
158	Laser link acquisition demonstration for the GRACE Follow-On mission. Optics Express, 2014, 22, 11351.	1.7	35
159	Glacier dynamics of the Northern Patagonia Icefield derived from SRTM, TanDEM-X and TerraSAR-X data. , 2014, , .		2
160	Ice Volume Estimates from Ground-Penetrating Radar Surveys, Wedel Jarlsberg Land Glaciers, Svalbard. Arctic, Antarctic, and Alpine Research, 2014, 46, 394-406.	0.4	35
161	Detecting terrestrial water storage variations in northwest China by GRACE. Proceedings of SPIE, 2014, , .	0.8	0
162	Evaluating Greenland glacial isostatic adjustment corrections using GRACE, altimetry and surface mass balance data. Environmental Research Letters, 2014, 9, 014004.	2.2	19
163	Recent ice cap snowmelt in Russian High Arctic and anti-correlation with late summer sea ice extent. Environmental Research Letters, 2014, 9, 045009.	2.2	21
164	Glacier mass changes on the Tibetan Plateau 2003â€“2009 derived from ICESat laser altimetry measurements. Environmental Research Letters, 2014, 9, 014009.	2.2	243
165	Rapid glacier retreat in the Naimonaâ€™Nyi region, western Himalayas, between 2003 and 2013. Journal of Applied Remote Sensing, 2014, 8, 083508.	0.6	13
166	Mass change from GRACE: a simulated comparison of Level-1B analysis techniques. Geophysical Journal International, 2014, 200, 503-518.	1.0	11
167	Dendritic Subglacial Drainage Systems in Cold Glaciers Formed by Cut-and-Closure Processes. Geografiska Annaler, Series A: Physical Geography, 2014, 96, n/a-n/a.	0.6	8

#	Article	IF	Citations
168	Fifty years of meteo-glaciological change in Toll Glacier, Bennett Island, De Long Islands, Siberian Arctic. Polar Science, 2014, 8, 86-95.	0.5	4
169	Indian Ocean Dipole and southern high latitude precipitation: possible links. Climate Dynamics, 2014, 43, 1965-1972.	1.7	3
170	Glaciers in the Earthâ€™s Hydrological Cycle: Assessments of Glacier Mass and Runoff Changes on Global and Regional Scales. Surveys in Geophysics, 2014, 35, 813-837.	2.1	121
171	Electrochromics for smart windows: Oxide-based thin films and devices. Thin Solid Films, 2014, 564, 1-38.	0.8	816
172	Estimating the human contribution to groundwater depletion in the Middle East, from GRACE data, land surface models, and well observations. Water Resources Research, 2014, 50, 2679-2692.	1.7	198
173	Glacial mass balance changes in the Karakoram and Himalaya based on CMIP5 multi-model climate projections. Climatic Change, 2014, 123, 315-328.	1.7	58
174	Glaciers and ice sheets: current status and trends. Rendiconti Lincei, 2014, 25, 59-70.	1.0	7
175	Glaciers of the Karakoram Himalaya. Advances in Asian Human-Environmental Research, 2014, , .	0.7	65
176	The Earth's Hydrological Cycle. Space Sciences Series of ISSI, 2014, , .	0.0	7
177	Comparisons of atmospheric mass variations derived from ECMWF reanalysis and operational fields, over 2003â€“2011. Journal of Geodesy, 2014, 88, 503-514.	1.6	42
178	Coping with changing water resources: The case of the Syr Darya river basin in Central Asia. Environmental Science and Policy, 2014, 43, 68-77.	2.4	72
179	GRACE, time-varying gravity, Earth system dynamics and climate change. Reports on Progress in Physics, 2014, 77, 116801.	8.1	171
180	Estimating the Loss of Himalayan Glaciers under Global Warming Using the Î´¹⁸Oâ€“Salinity Relation in the Bay of Bengal. Environmental Science and Technology Letters, 2014, 1, 249-253.	3.9	7
181	Decadal geodetic variations in Ny-Ã…lesund (Svalbard): role of past and present ice-mass changes. Geophysical Journal International, 2014, 198, 285-297.	1.0	19
182	Glacier volume and area change by 2050 in high mountain Asia. Global and Planetary Change, 2014, 122, 197-207.	1.6	36
183	Evaluation of glacier changes in highâ€mountain Asia based on 10â€‰year GRACE RL05 models. Journal of Geophysical Research: Solid Earth, 2014, 119, 2504-2517.	1.4	104
184	A mascon approach to assess ice sheet and glacier mass balances and their uncertainties from GRACE data. Journal of Geophysical Research: Solid Earth, 2014, 119, 6048-6066.	1.4	102
185	Data and knowledge gaps in glacier, snow and related runoff research â€“ A climate change adaptation perspective. Journal of Hydrology, 2014, 518, 225-234.	2.3	41

#	Article	IF	Citations
186	A mid-term analysis of progress toward international biodiversity targets. Science, 2014, 346, 241-244.	6.0	949
187	Remote sensing of recent glacier changes in the Canadian Arctic. , 2014, , 205-228.		24
188	Response of inland lake dynamics over the Tibetan Plateau to climate change. Climatic Change, 2014, 125, 281-290.	1.7	225
189	Seasonal and abrupt changes in the water level of closed lakes on the Tibetan Plateau and implications for climate impacts. Journal of Hydrology, 2014, 514, 131-144.	2.3	94
190	Changes in the glacier extent and surface elevation along the Ningchan and Shuiguan river source, eastern Qilian Mountains, China. Quaternary Research, 2014, 81, 531-537.	1.0	26
191	Rapid early Holocene ice retreat in West Greenland. Quaternary Science Reviews, 2014, 92, 310-323.	1.4	56
192	Potential contributions of remote sensing to ecosystem service assessments. Progress in Physical Geography, 2014, 38, 328-353.	1.4	126
193	Observed crustal uplift near the Southern Patagonian Icefield constrains improved viscoelastic Earth models. Geophysical Research Letters, 2014, 41, 805-812.	1.5	33
194	Accelerated lake expansion on the Tibetan Plateau in the 2000s: Induced by glacial melting or other processes?. Water Resources Research, 2014, 50, 3170-3186.	1.7	206
195	A method for estimating ice mass loss from relative InSAR observations: Application to the VatnajÃ¶kull ice cap, Iceland. Geochemistry, Geophysics, Geosystems, 2014, 15, 108-120.	1.0	6
196	The devastating Zhouqu stormâ€triggered debris flow of August 2010: Likely causes and possible trends in a future warming climate. Journal of Geophysical Research D: Atmospheres, 2014, 119, 3643-3662.	1.2	30
197	Mean sea-level changes in time. , 0, , 252-295.		0
199	Seasonal variability of the Red Sea, from satellite gravity, radar altimetry, and in situ observations. Journal of Geophysical Research: Oceans, 2014, 119, 5091-5104.	1.0	26
200	Globalâ€scale assessment of groundwater depletion and related groundwater abstractions: Combining hydrological modeling with information from well observations and GRACE satellites. Water Resources Research, 2014, 50, 5698-5720.	1.7	531
201	Limitations in identifying the equilibrium-line altitude from the optical remote-sensing derived snowline in the Tien Shan, China. Journal of Glaciology, 2014, 60, 1093-1100.	1.1	24
202	Glacier changes in the Koshi River basin, central Himalaya, from 1976 to 2009, derived from remote-sensing imagery. Annals of Glaciology, 2014, 55, 61-68.	2.8	25
203	Climate change and glacier area shrinkage in the Qilian mountains, China, from 1956 to 2010. Annals of Glaciology, 2014, 55, 187-197.	2.8	53
204	Sea level rise and its coastal impacts. Earth's Future, 2014, 2, 15-34.	2.4	288

#	Article	IF	Citations
205	Spatial and temporal variability of freshwater discharge into the <scp>G</scp>ulf of <scp>A</scp>laska. Journal of Geophysical Research: Oceans, 2015, 120, 634-646.	1.0	60
206	Surface melt dominates Alaska glacier mass balance. Geophysical Research Letters, 2015, 42, 5902-5908.	1.5	126
207	Greenland high-elevation mass balance: inference and implication of reference period (1961â€“90) imbalance. Annals of Glaciology, 2015, 56, 105-117.	2.8	24
208	Variations in Alaska tidewater glacier frontal ablation, 1985â€“2013. Journal of Geophysical Research F: Earth Surface, 2015, 120, 120-136.	1.0	54
209	GRACE gravity observations constrain Weichselian ice thickness in the Barents Sea. Geophysical Research Letters, 2015, 42, 3313-3320.	1.5	19
210	Modeling ice dynamic contributions to sea level rise from the Antarctic Peninsula. Journal of Geophysical Research F: Earth Surface, 2015, 120, 2374-2392.	1.0	2
211	Sedimentological characteristics of debris flow Deposits within iceâ˜cored moraine of Ebbabreen, central Spitsbergen. Polish Polar Research, 2015, 36, 125-144.	0.9	11
212	Regional sea level change in response to ice mass loss in <scp>G</scp>reenland, the <scp>W</scp>est <scp>A</scp>ntarctic and <scp>A</scp>laska. Journal of Geophysical Research: Oceans, 2015, 120, 7316-7328.	1.0	20
213	The pole tide and its effect on GRACE timeâ€variable gravity measurements: Implications for estimates of surface mass variations. Journal of Geophysical Research: Solid Earth, 2015, 120, 4597-4615.	1.4	75
214	Monitoring Groundwater Variations from Satellite Gravimetry and Hydrological Models: A Comparison with in-situ Measurements in the Mid-Atlantic Region of the United States. Remote Sensing, 2015, 7, 686-703.	1.8	66
215	A reflection on the long-term water balance of the Upper Indus Basin. Hydrology Research, 2015, 46, 446-462.	1.1	40
216	Two-element acoustic array gives insight into ice-ocean interactions in Hornsund Fjord, Spitsbergen. Polish Polar Research, 2015, 36, 355-367.	0.9	6
217	Complexities and Controversies in Himalayan Research: A Call for Collaboration and Rigor for Better Data. Mountain Research and Development, 2015, 35, 401-409.	0.4	48
218	Adaptation to Global Warming as an Optimal Transition Process to A Greenhouse World. Economic Affairs, 2015, 35, 272-284.	0.2	23
221	Modelling glacier change in the Everest region, Nepal Himalaya. Cryosphere, 2015, 9, 1105-1128.	1.5	137
222	The GAMDAM glacier inventory: a quality-controlled inventory of Asian glaciers. Cryosphere, 2015, 9, 849-864.	1.5	148
223	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
224	Remote Sensing-Based Assessment of the Variability of Winter and Summer Precipitation in the Pamirs and Their Effects on Hydrology and Hazards Using Harmonic Time Series Analysis. Remote Sensing, 2015, 7, 9727-9752.	1.8	18

#	Article	IF	Citations
225	Widespread Albedo Decreasing and Induced Melting of Himalayan Snow and Ice in the Early 21st Century. PLoS ONE, 2015, 10, e0126235.	1.1	53
226	Increased Water Storage in the Qaidam Basin, the North Tibet Plateau from GRACE Gravity Data. PLoS ONE, 2015, 10, e0141442.	1.1	69
227	Outlet glacier response to the 2012 collapse of the Matusevich Ice Shelf, Severnaya Zemlya, Russian Arctic. Journal of Geophysical Research F: Earth Surface, 2015, 120, 2040-2055.	1.0	17
228	Dramatic loss of glacier accumulation area on the Tibetan Plateau revealed by ice core tritium and mercury records. Cryosphere, 2015, 9, 1213-1222.	1.5	78
229	Gravimetric Methods â€“ Absolute and Relative Gravity Meter: Instruments Concepts and Implementation. , 2015, , 37-57.		11
230	GLOBAL CHANGE | Sea Level Change. , 2015, , 121-127.		0
231	Changes in Glacier Volume in the North Bank of the Bangong Co Basin from 1968 to 2007 Based on Historical Topographic Maps, SRTM, and ASTER Stereo Images. Arctic, Antarctic, and Alpine Research, 2015, 47, 301-311.	0.4	25
233	Seasonal changes in surface albedo of Himalayan glaciers from MODIS data and links with the annual mass balance. Cryosphere, 2015, 9, 341-355.	1.5	60
234	Cryosphere: ice on Niwot Ridge and in the Green Lakes Valley, Colorado Front Range. Plant Ecology and Diversity, 2015, 8, 625-638.	1.0	15
235	Re-estimation of glacier mass loss in Greenland from GRACE with correction of landâ€“ocean leakage effects. Global and Planetary Change, 2015, 135, 170-178.	1.6	30
236	Glacier changes in the circumpolar Arctic and sub-Arctic, mid-1980s to late-2000s/2011. Geografisk Tidsskrift, 2015, 115, 39-56.	0.4	2
237	Accelerated West Antarctic ice mass loss continues to outpace East Antarctic gains. Earth and Planetary Science Letters, 2015, 415, 134-141.	1.8	91
238	Rapid expansion of glacial lakes caused by climate and glacier retreat in the Central Himalayas. Hydrological Processes, 2015, 29, 859-874.	1.1	139
239	Region-wide glacier mass budgets and area changes for the Central Tien Shan between ~1975 and 1999 using Hexagon KH-9 imagery. Global and Planetary Change, 2015, 128, 1-13.	1.6	172
240	Recent changes of two selected glaciers in Hami Prefecture of eastern Xinjiang and their impact on water resources. Quaternary International, 2015, 358, 146-152.	0.7	10
241	Evaluation of WRF Mesoscale Climate Simulations over the Tibetan Plateau during 1979â€“2011. Journal of Climate, 2015, 28, 2823-2841.	1.2	181
242	Underwater acoustic signatures of glacier calving. Geophysical Research Letters, 2015, 42, 804-812.	1.5	37
243	Accuracy of optical image analysis compared to conventional vegetation measurements for estimating morphological features of emergent vegetation. Estuarine, Coastal and Shelf Science, 2015, 155, 66-74.	0.9	12

#	Article	IF	Citations
244	River water quality across the Himalayan regions: elemental concentrations in headwaters of Yarlung Tsangbo, Indus and Ganges River. Environmental Earth Sciences, 2015, 73, 4151-4163.	1.3	48
245	Improved methods for observing Earth's time variable mass distribution with GRACE using spherical cap mascons. Journal of Geophysical Research: Solid Earth, 2015, 120, 2648-2671.	1.4	768
246	Mass changes in Arctic ice caps and glaciers: implications of regionalizing elevation changes. Cryosphere, 2015, 9, 139-150.	1.5	27
247	Heterogeneous changes of glaciers over the western Kunlun Mountains based on ICESat and Landsat-8 derived glacier inventory. Remote Sensing of Environment, 2015, 168, 13-23.	4.6	60
248	Accelerated mass loss from Greenland ice sheet: Links to atmospheric circulation in the North Atlantic. Global and Planetary Change, 2015, 128, 61-71.	1.6	19
249	Time-Variable Gravity from Satellites. , 2015, , 193-213.		7
250	Optimization of regional constraints for estimating the Greenland mass balance with GRACE level-2 data. Geophysical Journal International, 2015, 202, 381-393.	1.0	7
251	Estimating mountain glacier surface temperatures from Landsat-ETM + thermal infrared data: A case study of Qiyi glacier, China. Remote Sensing of Environment, 2015, 163, 286-295.	4.6	29
252	Hydrological regimes under the conjunction of westerly and monsoon climates: a case investigation in the Astore Basin, Northwestern Himalaya. Climate Dynamics, 2015, 44, 3015-3032.	1.7	53
253	Mass loss from glaciers in the Chinese Altai Mountains between 1959 and 2008 revealed based on historical maps, SRTM, and ASTER images. Journal of Mountain Science, 2015, 12, 330-343.	0.8	22
254	Glacier changes during the past 40 years in the West Kunlun Shan. Journal of Mountain Science, 2015, 12, 344-357.	0.8	32
255	Brief Communication: Contending estimates of 2003â€“2008 glacier mass balance over the Pamirâ€“Karakoramâ€“Himalaya. Cryosphere, 2015, 9, 557-564.	1.5	350
256	Response of Karakoramâ€Himalayan glaciers to climate variability and climatic change: A regional climate model assessment. Geophysical Research Letters, 2015, 42, 1818-1825.	1.5	73
257	Global analysis of approaches for deriving total water storage changes from GRACE satellites. Water Resources Research, 2015, 51, 2574-2594.	1.7	179
258	Greenland ice sheet mass balance: a review. Reports on Progress in Physics, 2015, 78, 046801.	8.1	123
259	Ice Sheets, Glaciers, and Sea Level. , 2015, , 713-747.		3
260	Decadal-Scale Variations in Glacier Area Changes Across the Southern Patagonian Icefield Since the 1970s. Arctic, Antarctic, and Alpine Research, 2015, 47, 147-167.	0.4	17
261	Crustal subsidence observed by GRACE after the 2013 Okhotsk deepâ€focus earthquake. Geophysical Research Letters, 2015, 42, 3204-3209.	1.5	21

#	Article	IF	Citations
262	Energy- and mass-balance comparison between Zhadang and Parlung No. 4 glaciers on the Tibetan Plateau. Journal of Glaciology, 2015, 61, 595-607.	1.1	39
263	Basal topographic controls on rapid retreat of Humboldt Glacier, northern Greenland. Journal of Glaciology, 2015, 61, 137-150.	1.1	52
264	Decadal and quadratic variations of Earth's oblateness and polar ice mass balance from 1979 to 2010. Geophysical Journal International, 2015, 203, 475-481.	1.0	8
265	Substantial glacier mass loss in the Tien Shan over the past 50 years. Nature Geoscience, 2015, 8, 716-722.	5.4	332
266	The past and present-day Arctic cryosphere. Herald of the Russian Academy of Sciences, 2015, 85, 251-259.	0.2	3
267	Hybrid glacier Inventory, Gravimetry and Altimetry (HIGA) mass balance product for Greenland and the Canadian Arctic. Remote Sensing of Environment, 2015, 168, 24-39.	4.6	15
268	Can mountain glacier melting explains the GRACE-observed mass loss in the southeast Tibetan Plateau: From a climate perspective?. Global and Planetary Change, 2015, 124, 1-9.	1.6	56
269	Interâ€decadal variability in potential glacier surface melt energy at Vestari HagafellsjÃ¶kull (LangjÃ¶kull,) Tj ETQq1 1 0.784314 rgBT	1.5	8
270	Direct reconstruction of glacier bedrock from known free surface data using the one-dimensional shallow ice approximation. Geomorphology, 2015, 228, 356-371.	1.1	9
272	Suspended sediment dynamics in the proglacial zone of the rapidly retreating Castle Creek Glacier, British Columbia, Canada. , 0, , 313-325.		2
273	Using GRACE and climate model simulations to predict mass loss of Alaskan glaciers through 2100. Journal of Glaciology, 2016, 62, 623-639.	1.1	4
274	Application of GRACE to the assessment of model-based estimates of monthly Greenland Ice Sheet mass balanceÂ(2003â€“2012). Cryosphere, 2016, 10, 1965-1989.	1.5	21
275	Mass Flux Solution in the Tibetan Plateau Using Mascon Modeling. Remote Sensing, 2016, 8, 439.	1.8	7
276	ICESat laser altimetry over small mountain glaciers. Cryosphere, 2016, 10, 2129-2146.	1.5	16
277	Concentration, sources and light absorption characteristics of dissolved organic carbon on a medium-sized valley glacier, northern Tibetan Plateau. Cryosphere, 2016, 10, 2611-2621.	1.5	65
278	Predictive Uncertainty Estimation on a Precipitation and Temperature Reanalysis Ensemble for Shigar Basin, Central Karakoram. Water (Switzerland), 2016, 8, 263.	1.2	21
279	Decadal Region-Wide and Glacier-Wide Mass Balances Derived from Multi-Temporal ASTER Satellite Digital Elevation Models. Validation over the Mont-Blanc Area. Frontiers in Earth Science, 0, 4, .	0.8	98
280	An Automated Approach for Mapping Persistent Ice and Snow Cover over High Latitude Regions. Remote Sensing, 2016, 8, 16.	1.8	33

#	Article	IF	Citations
281	Impact of Climate Change on Vegetation Growth in Arid Northwest of China from 1982 to 2011. Remote Sensing, 2016, 8, 364.	1.8	33
282	Changes in Mountain Glaciers, Lake Levels, and Snow Coverage in the Tianshan Monitored by GRACE, ICESat, Altimetry, and MODIS. Remote Sensing, 2016, 8, 798.	1.8	22
283	Seasonal Mass Changes and Crustal Vertical Deformations Constrained by GPS and GRACE in Northeastern Tibet. Sensors, 2016, 16, 1211.	2.1	26
284	Monte Carlo modelling projects the loss of most land-terminating glaciers on Svalbard in the 21st century under RCP 8.5 forcing. Environmental Research Letters, 2016, 11, 094006.	2.2	10
285	Climate Change and Dynamics of Glaciers and Vegetation in the Himalaya: An Overview. , 2016, , 1-26.		20
286	Stochastic filtering for determining gravity variations for decadeâ€long time series of GRACE gravity. Journal of Geophysical Research: Solid Earth, 2016, 121, 2915-2931.	1.4	14
287	Basin mass dynamic changes in China from GRACE based on a multibasin inversion method. Journal of Geophysical Research: Solid Earth, 2016, 121, 3782-3803.	1.4	46
288	Ice mass loss in Greenland, the Gulf of Alaska, and the Canadian Archipelago: Seasonal cycles and decadal trends. Geophysical Research Letters, 2016, 43, 3150-3159.	1.5	53
289	Variations of Annual Minimum Snow and Ice Extent over Canada and Neighboring Landmass Derived from MODIS 250-m Imagery for 2000â€“2014. Canadian Journal of Remote Sensing, 2016, 42, 214-242.	1.1	12
290	Have GRACE satellites overestimated groundwater depletion in the Northwest India Aquifer?. Scientific Reports, 2016, 6, 24398.	1.6	202
291	Ice mass balance and GIA effects in tibet estimated from GRACE and ICESat measurements. , 2016, , .		0
293	Changes in Central Asiaâ€™s Water Tower: Past, Present and Future. Scientific Reports, 2016, 6, 35458.	1.6	195
294	Geodetic mass balance of the Patagonian Icefields derived from SRTM and TanDEM-X data. , 2016, , .		8
295	Recent retreat at a temperate Icelandic glacier in the context of the last ~80Âyears of climate change in the North Atlantic region. Arktos, 2016, 2, 1.	1.0	17
296	Estimations of glacier melting in Greenland from combined satellite gravimetry and icesat. , 2016, , .		2
297	Structural glaciology of Austre BrÃ¸ggerbreen, northwest Svalbard. Journal of Maps, 2016, 12, 790-796.	1.0	16
298	Terrestrial Water Storage Climatology for Canada from GRACE Satellite Observations in 2002â€“2014. Canadian Journal of Remote Sensing, 2016, 42, 190-202.	1.1	20
299	Forecasting Snowmelt-Induced Flooding Using GRACE Satellite Data: A Case Study for the Red River Watershed. Canadian Journal of Remote Sensing, 2016, 42, 203-213.	1.1	18

#	Article	IF	Citations
300	An assessment of basin-scale glaciological and hydrological sensitivities in the Hindu Kushâ€“Himalaya. Annals of Glaciology, 2016, 57, 308-318.	2.8	26
301	Time Series Analysis of Long-term Terrestrial Water Storage over Canada from GRACE Satellites Using Principal Component Analysis. Canadian Journal of Remote Sensing, 2016, 42, 161-170.	1.1	18
302	Water Storage Changes over the Tibetan Plateau Revealed by GRACE Mission. Acta Geophysica, 2016, 64, 463-476.	1.0	27
303	Globally gridded terrestrial water storage variations from GRACE satellite gravimetry for hydrometeorological applications. Geophysical Journal International, 2016, 206, 368-378.	1.0	15
304	Distributed ice thickness and glacier volume in southern South America. Global and Planetary Change, 2016, 146, 122-132.	1.6	44
305	Highâ€resolution CSR GRACE RL05 mascons. Journal of Geophysical Research: Solid Earth, 2016, 121, 7547-7569.	1.4	735
306	Records of anthropogenic antimony in the glacial snow from the southeastern Tibetan Plateau. Journal of Asian Earth Sciences, 2016, 131, 62-71.	1.0	9
307	The changing pattern of lake and its contribution to increased mass in the Tibetan Plateau derived from GRACE and ICESat data. Geophysical Journal International, 2016, 207, 528-541.	1.0	32
308	Groundwater storage and depletion trends in the Loess areas of China. Environmental Earth Sciences, 2016, 75, 1.	1.3	37
309	Climate change and glacier area variations in China during the past half century. Journal of Mountain Science, 2016, 13, 1345-1357.	0.8	10
310	Carbonaceous matter deposition in the high glacial regions of the Tibetan Plateau. Atmospheric Environment, 2016, 141, 203-208.	1.9	31
311	Anthropogenic and climateâ€driven water depletion in Asia. Geophysical Research Letters, 2016, 43, 9061-9069.	1.5	29
312	Stochastic secular trends in sea level rise. Journal of Geophysical Research: Oceans, 2016, 121, 2183-2202.	1.0	7
313	Seasonal constraints on inferred planetary heat content. Geophysical Research Letters, 2016, 43, 10,955.	1.5	3
314	Surface elevation change and mass balance of Icelandic ice caps derived from swath mode CryoSatâ€2 altimetry. Geophysical Research Letters, 2016, 43, 12,138.	1.5	56
315	On Creating Global Gridded Terrestrial Water Budget Estimates from Satellite Remote Sensing. Surveys in Geophysics, 2016, 37, 249-268.	2.1	25
317	A lake data set for the Tibetan Plateau from the 1960s, 2005, and 2014. Scientific Data, 2016, 3, 160039.	2.4	100
318	Glaciers in equilibrium, McMurdo Dry Valleys, Antarctica. Journal of Glaciology, 2016, 62, 976-989.	1.1	12

#	Article	IF	Citations
319	Surface-atmosphere decoupling limits accumulation at Summit, Greenland. Science Advances, 2016, 2, e1501704.	4.7	22
320	Grey Tienshan Urumqi Glacier No.1 and light-absorbing impurities. Environmental Science and Pollution Research, 2016, 23, 9549-9558.	2.7	39
321	Adjustment of regional climate model output for modeling the climatic mass balance of all glaciers on Svalbard. Journal of Geophysical Research D: Atmospheres, 2016, 121, 5411-5429.	1.2	18
322	Groundwater Storage Changes: Present Status from GRACE Observations. Space Sciences Series of ISSI, 2016, , 207-227.	0.0	22
323	Groundwater storage changes in the Tibetan Plateau and adjacent areas revealed from GRACE satellite gravity data. Earth and Planetary Science Letters, 2016, 449, 228-239.	1.8	126
324	Glacier retreat monitoring from SAR coherence images: application to Gangotri glacier. Proceedings of SPIE, 2016, , .	0.8	3
325	An appraisal of precipitation distribution in the high-altitude catchments of the Indus basin. Science of the Total Environment, 2016, 548-549, 289-306.	3.9	121
326	Assessing and Improving Land Surface Model Outputs Over Africa Using GRACE, Field, and Remote Sensing Data. Surveys in Geophysics, 2016, 37, 529-556.	2.1	49
327	Response of Xiao Dongkemadi Glacier in the central Tibetan Plateau to the current climate change and future scenarios by 2050. Journal of Mountain Science, 2016, 13, 13-28.	0.8	16
328	Exploring the influence of precipitation extremes and human water use on total water storage (TWS) changes in the <scp>G</scp>angesâ€<scp>B</scp>rahmaputraâ€<scp>M</scp>eghna River Basin. Water Resources Research, 2016, 52, 2240-2258.	1.7	67
329	Revisiting the contemporary sea-level budget on global and regional scales. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1504-1509.	3.3	181
330	Uncertainties of the Gravity Recovery and Climate Experiment time-variable gravity-field solutions based on three-cornered hat method. Journal of Applied Remote Sensing, 2016, 10, 015015.	0.6	57
331	Glacier changes since the early 1960s, eastern Pamir, China. Journal of Mountain Science, 2016, 13, 276-291.	0.8	16
332	Artificial electron acceptors decouple archaeal methane oxidation from sulfate reduction. Science, 2016, 351, 703-707.	6.0	346
333	A decade of sea level rise slowed by climate-driven hydrology. Science, 2016, 351, 699-703.	6.0	219
334	Elucidating the consumption and CO 2 emissions of fossil fuels and low-carbon energy in the United States using Lotkaâ€“Volterra models. Energy, 2016, 100, 416-424.	4.5	62
335	Multiscale and Multivariate Evaluation of Water Fluxes and States over European River Basins. Journal of Hydrometeorology, 2016, 17, 287-307.	0.7	120
336	Review: Short-term sea-level changes in a greenhouse world â€" A view from the Cretaceous. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 441, 393-411.	1.0	139

#	Article	IF	Citations
337	Major ions and trace elements of two selected rivers near Everest region, southern Himalayas, Nepal. Environmental Earth Sciences, 2016, 75, 1.	1.3	61
338	Groundwater Storage Changes: Present Status from GRACE Observations. Surveys in Geophysics, 2016, 37, 397-417.	2.1	133
339	Modeling Groundwater Depletion at Regional and Global Scales: Present State and Future Prospects. Surveys in Geophysics, 2016, 37, 419-451.	2.1	77
340	Glaciological and geomorphological map of Glacier Noir and Glacier Blanc, French Alps. Journal of Maps, 2016, 12, 582-596.	1.0	7
341	Climate change impacts in Latin America and the Caribbean and their implications for development. Regional Environmental Change, 2017, 17, 1601-1621.	1.4	97
342	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
343	The effect of signal leakage and glacial isostatic rebound on GRACE-derived ice mass changes in Iceland.. Geophysical Journal International, 2017, , ggx008.	1.0	11
344	Climate change and alpine stream biology: progress, challenges, and opportunities for the future. Biological Reviews, 2017, 92, 2024-2045.	4.7	118
345	Improved modeling of snow and glacier melting by a progressive twoâ€stage calibration strategy with <scp>GRACE</scp> and multisource data: How snow and glacier meltwater contributes to the runoff of the <scp>U</scp>pper <scp>B</scp>rahmaputra <scp>R</scp>iver basin?. Water Resources Research, 2017, 53, 2431-2466.	1.7	163
346	Development of a Water and Enthalpy Budgetâ€based Glacier mass balance Model (<scp>WEBâ€GM</scp>) and its preliminary validation. Water Resources Research, 2017, 53, 3146-3178.	1.7	30
347	Ice and groundwater effects on long term polar motion (1979â€“2010). Journal of Geodynamics, 2017, 106, 66-73.	0.7	14
348	A global reconstruction of climateâ€driven subdecadal water storage variability. Geophysical Research Letters, 2017, 44, 2300-2309.	1.5	87
349	Global analysis of spatiotemporal variability in merged total water storage changes using multiple GRACE products and global hydrological models. Remote Sensing of Environment, 2017, 192, 198-216.	4.6	223
350	Glacier Monitoring and Capacity Building: Important Ingredients for Sustainable Mountain Development. Mountain Research and Development, 2017, 37, 141-152.	0.4	10
351	Glacier melt buffers river runoff in the <scp>P</scp>amir <scp>M</scp>ountains. Water Resources Research, 2017, 53, 2467-2489.	1.7	40
352	Comparison of Glacier Mass Balance Data in the Tien Shan and Pamir, Central Asia. Arctic, Antarctic, and Alpine Research, 2017, 49, 133-146.	0.4	2
353	Early 21st century glacier thickness changes in the Central Tien Shan. Remote Sensing of Environment, 2017, 192, 12-29.	4.6	42
354	Cloudâ€“Atmospheric Boundary Layerâ€“Surface Interactions on the Greenland Ice Sheet during the July 2012 Extreme Melt Event. Journal of Climate, 2017, 30, 3237-3252.	1.2	23

#	Article	IF	Citations
355	Discourse analysis of the 2013â€“2016 Arctic Circle Assembly programmes. Polar Record, 2017, 53, 276-279.	0.4	5
356	High Asia: The International Dynamics of Climate Change and Water Security. Journal of Asian Studies, 2017, 76, 457-480.	0.0	14
357	Observation-Based Estimates of Global Glacier Mass Change and Its Contribution to Sea-Level Change. Space Sciences Series of ISSI, 2017, , 107-132.	0.0	1
358	Quantifying the anthropogenic impact on groundwater resources of North China using Gravity Recovery and Climate Experiment data and land surface models. Journal of Applied Remote Sensing, 2017, 11, 026029.	0.6	11
359	Seasonal and spatial variabilities in northern Gulf of Alaska surface water iron concentrations driven by shelf sediment resuspension, glacial meltwater, a Yakutat eddy, and dust. Global Biogeochemical Cycles, 2017, 31, 942-960.	1.9	25
360	Shortâ€term variations of <scp>I</scp>celandic ice cap mass inferred from cGPS coordinate time series. Geochemistry, Geophysics, Geosystems, 2017, 18, 2099-2119.	1.0	6
361	Climatic implications of hydrologic changes in two lake catchments on the central Tibetan Plateau since the last glacial. Journal of Paleolimnology, 2017, 58, 257-273.	0.8	29
362	A Global Gridded Dataset of GRACE Drought Severity Index for 2002â€“14: Comparison with PDSI and SPEI and a Case Study of the Australia Millennium Drought. Journal of Hydrometeorology, 2017, 18, 2117-2129.	0.7	133
363	Variability and Change in Climate. , 2017, , 27-60.		0
364	Influence of the Indian monsoon and the subtropical jet on climate change on the Tibetan Plateau since the late Pleistocene. Quaternary Science Reviews, 2017, 163, 84-94.	1.4	102
365	Mass changes of alpine glaciers at the eastern margin of the Northern and Southern Patagonian Icefields between 2000 and 2012. Journal of Glaciology, 2017, 63, 258-272.	1.1	28
366	Precipitationâ€driven glacier changes in the Pamir and Hindu Kush mountains. Geophysical Research Letters, 2017, 44, 2817-2824.	1.5	22
367	Mangroves as a protection from storm surges in a changing climate. Ambio, 2017, 46, 478-491.	2.8	66
368	GRACE leakage error correction with regularization technique: Case studies in Greenland and Antarctica. Geophysical Journal International, 0, , ggw494.	1.0	14
369	The Twentieth-Century Sea Level Budget: Recent Progress and Challenges. Surveys in Geophysics, 2017, 38, 295-307.	2.1	13
370	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
371	Estimating terrestrial water storage changes in the Tarim River Basin using GRACE data. Geophysical Journal International, 2017, 211, 1449-1460.	1.0	17
372	Largeâ€Scale Seasonal Changes in Glacier Thickness Across High Mountain Asia. Geophysical Research Letters, 2017, 44, 10,427.	1.5	20

#	Article	IF	Citations
373	Detection of sea level fingerprints derived from GRACE gravity data. Geophysical Research Letters, 2017, 44, 8953-8961.	1.5	43
374	The cause of rapid lake expansion in the Tibetan Plateau: climate wetting or warming?. Wiley Interdisciplinary Reviews: Water, 2017, 4, e1236.	2.8	15
376	Glacier shrinkage driving global changes in downstream systems. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9770-9778.	3.3	381
377	Glacierized headwater streams as aquifer recharge corridors, subarctic Alaska. Geophysical Research Letters, 2017, 44, 6876-6885.	1.5	40
378	A data-driven model for constraint of present-day glacial isostatic adjustment in North America. Earth and Planetary Science Letters, 2017, 474, 322-333.	1.8	18
379	A spatially resolved estimate of High Mountain Asia glacier mass balances from 2000 to 2016. Nature Geoscience, 2017, 10, 668-673.	5.4	755
380	Karakoram temperature and glacial melt driven by regional atmospheric circulation variability. Nature Climate Change, 2017, 7, 664-670.	8.1	158
381	Multivariate models for predicting glacier termini. Environmental Earth Sciences, 2017, 76, 1.	1.3	2
382	Quantifying suspended sediment concentration in subglacial sediment plumes discharging from two Svalbard tidewater glaciers using Landsat-8 and in situ measurements. International Journal of Remote Sensing, 2017, 38, 6865-6881.	1.3	20
383	Reconstructing annual groundwater storage changes in a large-scale irrigation region using GRACE data and Budyko model. Journal of Hydrology, 2017, 551, 397-406.	2.3	40
384	Estimating gravity changes caused by crustal strain: application to the Tibetan Plateau. Geophysical Journal International, 2017, 210, 1191-1205.	1.0	6
385	Using isotope methods to study alpine headwater regions in the Northern Caucasus and Tien Shan. Frontiers of Earth Science, 2017, 11, 531-543.	0.9	8
386	Observed Climate Variability and Change over the Indian Region. Springer Geology, 2017, , .	0.2	26
387	Observation-Based Estimates of Global Glacier Mass Change and Its Contribution to Sea-Level Change. Surveys in Geophysics, 2017, 38, 105-130.	2.1	61
388	Recent Changes in Land Water Storage and its Contribution to Sea Level Variations. Surveys in Geophysics, 2017, 38, 131-152.	2.1	59
389	Influences of recent climate change and human activities on water storage variations in Central Asia. Journal of Hydrology, 2017, 544, 46-57.	2.3	197
390	Variability of Glaciers and Snow Cover. Springer Geology, 2017, , 193-219.	0.2	7
391	Origin of a divergent mtDNA lineage of a freshwater snail species, Radix balthica, in Iceland: cryptic glacial refugia or a postglacial founder event?. Hydrobiologia, 2017, 787, 73-98.	1.0	41

#	Article	IF	Citations
392	Mass evolution of Mediterranean, Black, Red, and Caspian Seas from GRACE and altimetry: accuracy assessment and solution calibration. Journal of Geodesy, 2017, 91, 195-206.	1.6	16
393	A joint analysis of river runoff and meteorological forcing in the Karakoram, upper Indus Basin. Hydrological Processes, 2017, 31, 409-430.	1.1	11
394	Global Cryosphere Evolution and Land Surface Processes on the Tibetan Plateau. Springer Geography, 2017, , 263-279.	0.3	1
395	Spatial and temporal patterns of the inter-annual oscillations of glacier mass over Central Asia inferred from Gravity Recovery and Climate Experiment (GRACE) data. Journal of Arid Land, 2017, 9, 87-97.	0.9	6
396	Gravimetric Investigations at Vernagtferner. International Association of Geodesy Symposia, 2017, , 53-60.	0.2	1
397	Recent surface elevation changes of patagonian glaciers derived with tandem-x. , 2017, , .		0
398	Remote sensing of the cryosphere in high mountain ASIA. , 2017, , .		1
399	Decline of Geladandong Glacier Elevation in Yangtze Riverâ€™s Source Region: Detection by ICESat and Assessment by Hydroclimatic Data. Remote Sensing, 2017, 9, 75.	1.8	16
400	Estimating Snow Mass and Peak River Flows for the Mackenzie River Basin Using GRACE Satellite Observations. Remote Sensing, 2017, 9, 256.	1.8	24
401	Role of Perturbing Ocean Initial Condition in Simulated Regional Sea Level Change. Water (Switzerland), 2017, 9, 401.	1.2	4
402	Bridging Glaciological and Hydrological Trends in the Pamir Mountains, Central Asia. Water (Switzerland), 2017, 9, 422.	1.2	11
403	Seasonal Variations in Ice-Front Position Controlled by Frontal Ablation at Glaciar Perito Moreno, the Southern Patagonia Icefield. Frontiers in Earth Science, 2017, 5, .	0.8	22
404	Northern Eurasia Future Initiative (NEFI): facing the challenges and pathways of global change in the twenty-first century. Progress in Earth and Planetary Science, 2017, 4, .	1.1	69
405	Simulating the evolution of HardangerjÃ¸kulen ice cap in southern Norway since the mid-Holocene and its sensitivity to climate change. Cryosphere, 2017, 11, 281-302.	1.5	27
406	Sensitivity, stability and future evolution of the world's northernmost ice cap, Hans Tausen Iskappe (Greenland). Cryosphere, 2017, 11, 805-825.	1.5	17
407	Recent changes in terrestrial water storage in the Upper Nile Basin: an evaluation of commonly used gridded GRACE products. Hydrology and Earth System Sciences, 2017, 21, 4533-4549.	1.9	43
408	Complex principal component analysis of mass balance changes on the Qinghaiâ€“Tibetan Plateau. Cryosphere, 2017, 11, 1487-1499.	1.5	9
409	A variational technique to estimate snowfall rate from coincident radar, snowflake, and fall-speed observations. Atmospheric Measurement Techniques, 2017, 10, 2557-2571.	1.2	21

#	Article	IF	Citations
410	Diagnosing the decline in climatic mass balance of glaciers in Svalbard over 1957â€“2014. Cryosphere, 2017, 11, 191-215.	1.5	69
411	An ice sheet model validation framework for the Greenland ice sheet. Geoscientific Model Development, 2017, 10, 255-270.	1.3	18
412	Glacier calving observed with time-lapse imagery and tsunami waves at Glaciar Perito Moreno, Patagonia. Journal of Glaciology, 2018, 64, 362-376.	1.1	23
413	Consistent interannual changes in glacier mass balance and their relationship with climate variation on the periphery of the Tibetan Plateau. Geophysical Journal International, 2018, 214, 573-582.	1.0	12
414	Mountain rock glaciers contain globally significant water stores. Scientific Reports, 2018, 8, 2834.	1.6	110
415	Changes in seasonal snow water equivalent distribution in High Mountain Asia (1987 to 2009). Science Advances, 2018, 4, e1701550.	4.7	141
416	Climatic and associated cryospheric, biospheric, and hydrological changes on the Tibetan Plateau: a review. International Journal of Climatology, 2018, 38, e1.	1.5	138
417	The challenge of monitoring glaciers with extreme altitudinal range: mass-balance reconstruction for Kahiltna Glacier, Alaska. Journal of Glaciology, 2018, 64, 75-88.	1.1	4
418	Water storage variations and their relation to climate factors over Central Asia and surrounding areas over 30 years. Water Science and Technology: Water Supply, 2018, 18, 1564-1580.	1.0	8
419	Review of the status and mass changes of Himalayan-Karakoram glaciers. Journal of Glaciology, 2018, 64, 61-74.	1.1	233
420	Increased water storage of Lake Qinghai during 2004â€“2012 from GRACE data, hydrological models, radar altimetry and in situ measurements. Geophysical Journal International, 2018, 212, 679-693.	1.0	15
421	Heterogeneous and rapid ice loss over the Patagonian Ice Fields revealed by CryoSat-2 swath radar altimetry. Remote Sensing of Environment, 2018, 211, 441-455.	4.6	50
422	The Karakoram/Western Tibetan vortex: seasonal and year-to-year variability. Climate Dynamics, 2018, 51, 3883-3906.	1.7	32
423	Accelerating glacier mass loss on Franz Josef Land, Russian Arctic. Remote Sensing of Environment, 2018, 211, 357-375.	4.6	29
424	Ice core records of climate variability on the Third Pole with emphasis on the Guliya ice cap, western Kunlun Mountains. Quaternary Science Reviews, 2018, 188, 1-14.	1.4	97
425	Climate-driven seasonal geocenter motion during the GRACE period. Acta Geophysica, 2018, 66, 223-232.	1.0	2
426	Instantaneous Rate of Ice Mass Changes in Antarctica Observed by Satellite Gravimetry. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 823-827.	1.4	5
427	Multi-track extraction of two-dimensional surface velocity by the combined use of differential and multiple-aperture InSAR in the Amery Ice Shelf, East Antarctica. Remote Sensing of Environment, 2018, 204, 122-137.	4.6	24

#	Article	IF	Citations
428	Current Status of Himalayan Cryosphere and Adjacent Mountains. , 2018, , 161-182.		1
429	Assessment of the Effects of Climate Change on Evapotranspiration with an Improved Elasticity Method in a Nonhumid Area. Sustainability, 2018, 10, 4589.	1.6	5
430	Groundwater Storage Monitoring From Space. , 2018, , 295-314.		1
431	The changing mass of glaciers on the Tibetan Plateau, 2002â€“2016, using time-variable gravity from the GRACE satellite mission. Journal of Geodetic Science, 2018, 8, 83-97.	0.5	5
432	Climate change vs. socio-economic development: understanding the future South Asian water gap. Hydrology and Earth System Sciences, 2018, 22, 6297-6321.	1.9	54
433	Simulating climatic mass balance, seasonal snow development and associated freshwater runoff in the Kongsfjord basin, Svalbard (1980â€“2016). Journal of Glaciology, 2018, 64, 943-956.	1.1	27
434	Understanding the spatial differences in terrestrial water storage variations in the Tibetan Plateau from 2002 to 2016. Climatic Change, 2018, 151, 379-393.	1.7	43
435	Spatiotemporal trends in freshwater availability in the Red Sea Hills, Saudi Arabia. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	11
436	Crustal thickness of Antarctica estimated using data from gravimetric satellites. Solid Earth, 2018, 9, 457-467.	1.2	11
437	Re-Estimation of the Greenland Ice Sheet Changes from ICESat Measurements with Slope Correction. , 2018, , .		0
438	Recent global decline in endorheic basin water storages. Nature Geoscience, 2018, 11, 926-932.	5.4	282
439	Global sea-level contribution from Arctic land ice: 1971â€“2017. Environmental Research Letters, 2018, 13, 125012.	2.2	62
440	Global sea level change signatures observed by GRACE satellite gravimetry. Scientific Reports, 2018, 8, 13519.	1.6	37
441	Groundwater Storage Changes in China from Satellite Gravity: An Overview. Remote Sensing, 2018, 10, 674.	1.8	142
442	Climate communication for biologists: When a picture can tell a thousand words. PLoS Biology, 2018, 16, e2006004.	2.6	20
443	Ice flow modelling to constrain the surface mass balance and ice discharge of San Rafael Glacier, Northern Patagonia Icefield. Journal of Glaciology, 2018, 64, 568-582.	1.1	12
444	Seasonal mass variations show timing and magnitude of meltwater storage in the Greenland Ice Sheet. Cryosphere, 2018, 12, 2981-2999.	1.5	15
446	Sea Level Rise and Future Earth. , 0, , 144-158.		1

#	Article	IF	Citations
447	Coastal Disasters and Remote Sensing Monitoring Methods. , 0, , .		3
448	Spatially varying surface seasonal oscillations and 3-D crustal deformation of the Tibetan Plateau derived from GPS and GRACE data. Earth and Planetary Science Letters, 2018, 502, 12-22.	1.8	68
449	Mass Balance of Novaya Zemlya Archipelago, Russian High Arctic, Using Time-Variable Gravity from GRACE and Altimetry Data from ICESat and CryoSat-2. Remote Sensing, 2018, 10, 1817.	1.8	17
450	Glacier variations in response to climate change in the eastern NyainqÃªntanglha Range, Tibetan Plateau from 1999 to 2015. Arctic, Antarctic, and Alpine Research, 2018, 50, .	0.4	9
451	Emerging trends in global freshwater availability. Nature, 2018, 557, 651-659.	13.7	1,087
452	Monitoring glacier albedo as aÂproxy to derive summer and annual surface mass balances from optical remote-sensing data. Cryosphere, 2018, 12, 271-286.	1.5	30
453	Using satellite laser ranging to measure ice mass change in Greenland and Antarctica. Cryosphere, 2018, 12, 71-79.	1.5	16
454	Optimal mascon geometry in estimating mass anomalies within Greenland from GRACE. Geophysical Journal International, 2018, 214, 2133-2150.	1.0	11
455	Mass Loss of Totten and Moscow University Glaciers, East Antarctica, Using Regionally Optimized GRACE Mascons. Geophysical Research Letters, 2018, 45, 7010-7018.	1.5	27
456	An Improved Approach for Evapotranspiration Estimation Using Water Balance Equation: Case Study of Yangtze River Basin. Water (Switzerland), 2018, 10, 812.	1.2	16
457	Rapid Surface Lowering of Benito Glacier, Northern Patagonian Icefield. Frontiers in Earth Science, 2018, 6, .	0.8	2
458	HF/VHF Radar Sounding of Ice from Manned and Unmanned Airborne Platforms. Geosciences (Switzerland), 2018, 8, 182.	1.0	13
459	Distributions and light absorption property of water soluble organic carbon in a typical temperate glacier, southeastern Tibetan Plateau. Tellus, Series B: Chemical and Physical Meteorology, 2022, 70, 1468705.	0.8	13
460	Elevation and Mass Changes of the Southern Patagonia Icefield Derived from TanDEM-X and SRTM Data. Remote Sensing, 2018, 10, 188.	1.8	75
461	Exploring the uncertainty in GRACE estimates of the mass redistributions at the Earth surface: implications for the global water and sea level budgets. Geophysical Journal International, 2018, 215, 415-430.	1.0	52
462	Hydrology signal from GRACE gravity data in the Nelson River basin, Canada: a comparison of two approaches. Earth, Planets and Space, 2018, 70, .	0.9	5
463	The land ice contribution to sea level during the satellite era. Environmental Research Letters, 2018, 13, 063008.	2.2	177
464	Mass Balance Status of Indian Himalayan Glaciers: A Brief Review. Frontiers in Environmental Science, 2018, 6, .	1.5	13

#	Article	IF	Citations
465	Assessing modern river sediment discharge to the ocean using satellite gravimetry. Nature Communications, 2018, 9, 3384.	5.8	48
466	Differing Climatic Mass Balance Evolution Across Svalbard Glacier Regions Over 1900â€“2010. Frontiers in Earth Science, 2018, 6, .	0.8	23
467	A New Centennial Seaâ€Level Record for Antalya, Eastern Mediterranean. Journal of Geophysical Research: Oceans, 2018, 123, 4503-4517.	1.0	6
468	Estimation of Snowfall Properties at a Mountainous Site in Norway Using Combined Radar and In Situ Microphysical Observations. Journal of Applied Meteorology and Climatology, 2019, 58, 1337-1352.	0.6	13
469	Response of Groundwater Storage and Recharge in the Qaidam Basin (Tibetan Plateau) to Climate Variations From 2002 to 2016. Journal of Geophysical Research D: Atmospheres, 2019, 124, 9918-9934.	1.2	35
470	Long-Term and Inter-annual Mass Changes in the Iceland Ice Cap Determined From GRACE Gravity Using Slepian Functions. Frontiers in Earth Science, 2019, 7, .	0.8	17
471	Assessment of Spatial and Temporal Flow Variability of the Indus River. Resources, 2019, 8, 103.	1.6	31
472	Long-term, non-anthropogenic groundwater storage changes simulated by three global-scale hydrological models. Scientific Reports, 2019, 9, 10746.	1.6	40
473	Low-End Probabilistic Sea-Level Projections. Water (Switzerland), 2019, 11, 1507.	1.2	16
474	Forecasting GRACE Data over the African Watersheds Using Artificial Neural Networks. Remote Sensing, 2019, 11, 1769.	1.8	52
475	Changes of the tropical glaciers throughout Peru between 2000 and 2016 â€“ mass balance and area fluctuations. Cryosphere, 2019, 13, 2537-2556.	1.5	43
476	Remote Sensing of Environmental Changes in Cold Regions: Methods, Achievements and Challenges. Remote Sensing, 2019, 11, 1952.	1.8	34
477	Intra- and inter-annual variability in dynamic discharge from the Academy of Sciences Ice Cap, Severnaya Zemlya, Russian Arctic, and its role in modulating mass balance. Journal of Glaciology, 2019, 65, 780-797.	1.1	15
478	Evaluating GRACE Mass Change Time Series for the Antarctic and Greenland Ice Sheetâ€”Methods and Results. Geosciences (Switzerland), 2019, 9, 415.	1.0	26
479	Changes in glacier volume on Mt. Gongga, southeastern Tibetan Plateau, based on the analysis of multi-temporal DEMs from 1966 to 2015. Journal of Glaciology, 2019, 65, 366-375.	1.1	13
480	An empirical model to predict glacier area changes in China. IOP Conference Series: Earth and Environmental Science, 2019, 349, 012015.	0.2	1
481	Thermodynamic controls of the Western Tibetan Vortex on Tibetan air temperature. Climate Dynamics, 2019, 53, 4267-4290.	1.7	10
482	Evaluation of Regional Climate Models Using Regionally Optimized GRACE Mascons in the Amery and Getz Ice Shelves Basins, Antarctica. Geophysical Research Letters, 2019, 46, 13883-13891.	1.5	8

#	Article	IF	Citations
483	Missing Hydrological Contribution to Sea Level Rise. Geophysical Research Letters, 2019, 46, 12049-12055.	1.5	20
484	Spatio-Temporal Pattern in the Changes in Availability and Sustainability of Water Resources in Afghanistan. Sustainability, 2019, 11, 5836.	1.6	43
485	Heterogeneous spatial and temporal pattern of surface elevation change and mass balance of the Patagonian ice fields between 2000 and 2016. Cryosphere, 2019, 13, 2511-2535.	1.5	40
486	Climatic forcing for recent significant terrestrial drying and wetting. Advances in Water Resources, 2019, 133, 103425.	1.7	24
487	MOCASS: A Satellite Mission Concept Using Cold Atom Interferometry for Measuring the Earth Gravity Field. Surveys in Geophysics, 2019, 40, 1029-1053.	2.1	23
488	Economic Effects of Climate Change in Alaska. Weather, Climate, and Society, 2019, 11, 245-258.	0.5	18
489	Two decades of glacier mass loss along the Andes. Nature Geoscience, 2019, 12, 802-808.	5.4	188
490	Observational Requirements for Long-Term Monitoring of the Global Mean Sea Level and Its Components Over the Altimetry Era. Frontiers in Marine Science, 2019, 6, .	1.2	31
491	The relative contributions of precipitation, evapotranspiration, and runoff to terrestrial water storage changes across 168 river basins. Journal of Hydrology, 2019, 579, 124194.	2.3	38
492	Water Storage Trends in High Mountain Asia. Frontiers in Earth Science, 2019, 7, .	0.8	26
493	Estimating the mass change of mountain glacier using a novel method based on InSAR observations. Environmental Earth Sciences, 2019, 78, 1.	1.3	0
494	Global warming weakening the inherent stability of glaciers and permafrost. Science Bulletin, 2019, 64, 245-253.	4.3	108
495	Accumulation of Atmospheric Mercury in Glacier Cryoconite over Western China. Environmental Science & Technology, 2019, 53, 6632-6639.	4.6	23
496	Global Glacier Mass Loss During the GRACE Satellite Mission (2002-2016). Frontiers in Earth Science, 2019, 7, .	0.8	138
497	Potential faster Arctic sea ice retreat triggered by snowflakes' greenhouse effect. Cryosphere, 2019, 13, 969-980.	1.5	6
498	Spatial Heterogeneity in Glacier Mass-Balance Sensitivity across High Mountain Asia. Water (Switzerland), 2019, 11, 776.	1.2	53
499	GRACE Mass Inversion Method. Springer Theses, 2019, , 37-51.	0.0	0
500	Glacier Changes in the Qilian Mountains, Northwest China, between the 1960s and 2015. Water (Switzerland), 2019, 11, 623.	1.2	19

#	Article	IF	Citations
501	Contrasting Meteorological Drivers of the Glacier Mass Balance Between the Karakoram and Central Himalaya. Frontiers in Earth Science, 2019, 7, .	0.8	47
502	Global Assessment of Current and Future Groundwater Stress With a Focus on Transboundary Aquifers. Water Resources Research, 2019, 55, 4760-4784.	1.7	49
503	Impacts of Climate Change on Lake Fluctuations in the Hindu Kush-Himalaya-Tibetan Plateau. Remote Sensing, 2019, 11, 1082.	1.8	15
504	Water Storage Variations in Tibet from GRACE, ICESat, and Hydrological Data. Remote Sensing, 2019, 11, 1103.	1.8	20
505	The Rapid and Steady Mass Loss of the Patagonian Icefields throughout the GRACE Era: 2002â€“2017. Remote Sensing, 2019, 11, 909.	1.8	15
507	Glacial and Tectonic Mass Transportation in High Mountain Asia. Springer Theses, 2019, , 97-139.	0.0	0
508	Non-renewable groundwater use and groundwater depletion: a review. Environmental Research Letters, 2019, 14, 063002.	2.2	248
509	Glacier and snow variations and their impacts on regional water resources in mountains. Journal of Chinese Geography, 2019, 29, 84-100.	1.5	28
510	Evaluation of GRACE mascon solutions for small spatial scales and localized mass sources. Geophysical Journal International, 2019, 218, 1307-1321.	1.0	22
511	Terrestrial Water Storage Changes in Asia. Springer Theses, 2019, , 65-95.	0.0	0
512	Changing Moho Beneath the Tibetan Plateau Revealed by GRACE Observations. Journal of Geophysical Research: Solid Earth, 2019, 124, 5907-5923.	1.4	12
514	Downscaling GRACE Predictions of the Crustal Response to the Presentâ€Day Mass Changes in Greenland. Journal of Geophysical Research: Solid Earth, 2019, 124, 5134-5152.	1.4	7
515	Contributions of GRACE to understanding climate change. Nature Climate Change, 2019, 9, 358-369.	8.1	536
516	Loss of terrestrial water storage in the Tianshan mountains from 2003 to 2015. International Journal of Remote Sensing, 2019, 40, 8342-8358.	1.3	20
517	Correlation Analysis Between Groundwater Decline Trend and Human-Induced Factors in Bashang Region. Water (Switzerland), 2019, 11, 473.	1.2	12
518	Sea level trend over Malaysian seas from multi-mission satellite altimetry and vertical land motion corrected tidal data. Advances in Space Research, 2019, 63, 3452-3472.	1.2	35
519	Linking atmospheric pollution to cryospheric change in the Third Pole region: current progress and future prospects. National Science Review, 2019, 6, 796-809.	4.6	271
520	A Joint Inversion Estimate of Antarctic Ice Sheet Mass Balance Using Multi-Geodetic Data Sets. Remote Sensing, 2019, 11, 653.	1.8	10

#	Article	IF	Citations
521	Short-term PV power forecasting using hybrid GASVM technique. Renewable Energy, 2019, 140, 367-379.	4.3	195
522	Processing Choices Affect Ocean Mass Estimates From GRACE. Journal of Geophysical Research: Oceans, 2019, 124, 1029-1044.	1.0	40
523	A multi-proxy approach to Late Holocene fluctuations of TungnahryggsjÃ¶kull glaciers in the TrÃ¶llaskagi peninsula (northern Iceland). Science of the Total Environment, 2019, 664, 499-517.	3.9	14
525	Climate and Remotely Sensed Markers of Glacier Changes in the Himalaya. , 2019, , 65-88.		3
526	Changes in Terrestrial Water Storage During 2003â€“2014 and Possible Causes in Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2019, 124, 2909-2931.	1.2	84
527	A comparison of different GRACE solutions in terrestrial water storage trend estimation over Tibetan Plateau. Scientific Reports, 2019, 9, 1765.	1.6	32
528	Initialization of a global glacier model based on present-day glacier geometry and past climate information: an ensemble approach. Cryosphere, 2019, 13, 3317-3335.	1.5	11
529	Groundwater storage changes for 35 basins over MENA domain using GRACE during the period 2003-2017. IOP Conference Series: Earth and Environmental Science, 2019, 384, 012127.	0.2	0
530	Recent glacier and lake changes in High Mountain Asia and their relation to precipitation changes. Cryosphere, 2019, 13, 2977-3005.	1.5	64
531	Atmospheric Water Transport to the Endorheic Tibetan Plateau and Its Effect on the Hydrological Status in the Region. Journal of Geophysical Research D: Atmospheres, 2019, 124, 12864-12881.	1.2	40
532	Review on development of air source transcritical CO2 heat pump systems using direct-heated type and recirculating-heated type. International Journal of Refrigeration, 2019, 104, 455-475.	1.8	45
533	Heterogeneous Changes in Western North American Glaciers Linked to Decadal Variability in Zonal Wind Strength. Geophysical Research Letters, 2019, 46, 200-209.	1.5	70
534	GRAMAT: a comprehensive Matlab toolbox for estimating global mass variations from GRACE satellite data. Earth Science Informatics, 2019, 12, 389-404.	1.6	36
535	Status and Change of the Cryosphere in the Extended Hindu Kush Himalaya Region. , 2019, , 209-255.		139
536	Temporal-spatial differences in lake water storage changes and their links to climate change throughout the Tibetan Plateau. Remote Sensing of Environment, 2019, 222, 232-243.	4.6	140
537	Constraining glacier elevation and mass changes in South America. Nature Climate Change, 2019, 9, 130-136.	8.1	144
538	Monitoring groundwater fluctuations over India during Indian Summer Monsoon (ISM) and Northeast monsoon using GRACE satellite: Impact on agriculture. Quaternary International, 2019, 507, 342-351.	0.7	17
539	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

#	Article	IF	Citations
541	A mascon approach to estimating the depth of Jupiterâ€™s Great Red Spot with Juno gravity measurements. Planetary and Space Science, 2020, 181, 104781.	0.9	5
542	Inorganic components in lake waters in the Third Pole. , 2020, , 239-259.		0
543	Future projection of winter precipitation over northwest India and associated regions using CORDEX-SA experiments. Theoretical and Applied Climatology, 2020, 139, 1317-1331.	1.3	7
544	Evaluation of GRACE mascon solutions using in-situ geodetic data: The case of hydrologic-induced crust displacement in the Yangtze River Basin. Science of the Total Environment, 2020, 707, 135606.	3.9	14
545	Mass balance of the ice sheets and glaciers â€“ Progress since AR5 and challenges. Earth-Science Reviews, 2020, 201, 102976.	4.0	44
546	Ice Sheets and Fresh Water Reservoirs as Natural Dielectric Resonators. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1392-1397.	2.7	0
547	Response of melt water and rainfall runoff to climate change and their roles in controlling streamflow changes of the two upstream basins over the Tibetan Plateau. Hydrology Research, 2020, 51, 272-289.	1.1	17
548	Introducing an Improved GRACE Global Point-Mass Solutionâ€”A Case Study in Antarctica. Remote Sensing, 2020, 12, 3197.	1.8	13
549	Temperature Variation on the Central Tibetan Plateau Revealed by Glycerol Dialkyl Glycerol Tetraethers From the Sediment Record of Lake Linggo Co Since the Last Deglaciation. Frontiers in Earth Science, 2020, 8, .	0.8	16
550	Improving the estimate of the secular variation of Greenland ice mass in the recent decades by incorporating a stochastic process. Earth and Planetary Science Letters, 2020, 549, 116518.	1.8	12
551	Recent Climate Change Feedbacks to Greenland Ice Sheet Mass Changes from GRACE. Remote Sensing, 2020, 12, 3250.	1.8	5
552	Longâ€Term Temporal Scaleâ€Dependent Warming Effects on the Mass Balance in the Dongkemadi Glacier, Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD033105.	1.2	6
553	A Combined Use of TSVD and Tikhonov Regularization for Mass Flux Solution in Tibetan Plateau. Remote Sensing, 2020, 12, 2045.	1.8	9
554	Manifestation and consequences of warming and altered heat fluxes over the Bering and Chukchi Sea continental shelves. Deep-Sea Research Part II: Topical Studies in Oceanography, 2020, 177, 104781.	0.6	90
555	Modeling regional precipitation over the Indus River basin of Pakistan using statistical downscaling. Theoretical and Applied Climatology, 2020, 142, 29-57.	1.3	10
556	Observing Snow Cover and Water Resource Changes in the High Mountain Asia Region in Comparison with Global Mountain Trends over 2000â€“2018. Remote Sensing, 2020, 12, 3913.	1.8	14
557	The Global Water Cycle. , 2020, , 433-451.		1
558	Over-winter persistence of supraglacial lakes on the Greenland Ice Sheet: results and insights from a new model. Journal of Glaciology, 2020, 66, 362-372.	1.1	15

#	Article	IF	Citations
559	The Red Rock ice cliff revisited â€“ six decades of frontal, mass and area changes in the Nunatarssuaq area, Northwest Greenland. Journal of Glaciology, 2020, 66, 567-576.	1.1	4
560	Low elevation of Svalbard glaciers drives high mass loss variability. Nature Communications, 2020, 11, 4597.	5.8	52
561	Variations of Mass Balance of the Greenland Ice Sheet from 2002 to 2019. Remote Sensing, 2020, 12, 2609.	1.8	5
562	Improved Estimation of Regional Surface Mass Variations from GRACE Intersatellite Geopotential Differences Using a Priori Constraints. Remote Sensing, 2020, 12, 2553.	1.8	11
563	Modeling past and future variation of glaciers in the Dongkemadi Ice Field on central Tibetan Plateau from 1989 to 2050. Arctic, Antarctic, and Alpine Research, 2020, 52, 191-209.	0.4	6
564	Daily Continuous River Discharge Estimation for Ungauged Basins Using a Hydrologic Model Calibrated by Satellite Altimetry: Implications for the <scp>SWOT</scp> Mission. Water Resources Research, 2020, 56, e2020WR027309.	1.7	39
565	Comparing simple albedo scaling methods for estimating Arctic glacier mass balance. Remote Sensing of Environment, 2020, 246, 111858.	4.6	13
566	Impact of glacier shape on the mass balance changes: A case study of Dongkemadi region, central Tibetan Plateau. Advances in Climate Change Research, 2020, 11, 22-30.	2.1	2
567	Region-Wide Annual Glacier Surface Mass Balance for the European Alps From 2000 to 2016. Frontiers in Earth Science, 2020, 8, .	0.8	41
568	Reconciling Svalbard Glacier Mass Balance. Frontiers in Earth Science, 2020, 8, .	0.8	77
569	Determination of the Regularization Parameter to Combine Heterogeneous Observations in Regional Gravity Field Modeling. Remote Sensing, 2020, 12, 1617.	1.8	5
570	Selfâ€Consistent Ice Mass Balance and Regional Sea Level From Timeâ€Variable Gravity. Earth and Space Science, 2020, 7, e2019EA000860.	1.1	3
571	Continuity of Ice Sheet Mass Loss in Greenland and Antarctica From the GRACE and GRACE Followâ€On Missions. Geophysical Research Letters, 2020, 47, e2020GL087291.	1.5	155
572	High Resolution Mapping of Ice Mass Loss in the Gulf of Alaska From Constrained Forward Modeling of GRACE Data. Frontiers in Earth Science, 2020, 7, .	0.8	7
573	Interannual glacier and lake mass changes over Scandinavia from GRACE. Geophysical Journal International, 2020, 221, 2126-2141.	1.0	7
574	Spatio-temporal changes in the six major glaciers of the Chitral River basin (Hindukush Region of) Tj ETQq1 1 0.784314 rgBT /Overloc	0.8	11
575	Seasonal and Interannual Variations in Chinaâ€™s Groundwater Based on GRACE Data and Multisource Hydrological Models. Remote Sensing, 2020, 12, 845.	1.8	23
576	Recent Accelerating Glacier Mass Loss of the Geladandong Mountain, Inner Tibetan Plateau, Estimated from ZiYuan-3 and TanDEM-X Measurements. Remote Sensing, 2020, 12, 472.	1.8	16

#	Article	IF	Citations
577	Impact of Climate Factors and Human Activities on Water Resources in the Aral Sea Basin. Hydrology, 2020, 7, 30.	1.3	14
578	An improvement in accuracy and spatiotemporal continuity of the MODIS precipitable water vapor product based on a data fusion approach. Remote Sensing of Environment, 2020, 248, 111966.	4.6	49
579	Review on the simulation models of the two-phase-ejector used in the transcritical carbon dioxide systems. International Journal of Refrigeration, 2020, 119, 434-447.	1.8	23
580	Demonstrating a Highâ€Resolution Gulf of Alaska Ocean Circulation Model Forced Across the Coastal Interface by Highâ€Resolution Terrestrial Hydrological Models. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015724.	1.0	10
581	Drought evaluation over Yangtze River basin based on weighted water storage deficit. Journal of Hydrology, 2020, 591, 125283.	2.3	25
582	Revised Estimates of Recent Mass Loss Rates for Penny Ice Cap, Baffin Island, Based on 2005â€“2014 Elevation Changes Modified for Firn Densification. Journal of Geophysical Research F: Earth Surface, 2020, 125, e2019JF005440.	1.0	1
583	Intra-seasonal hydrological processes on the western Tibetan Plateau: Monsoonal and convective rainfall events at ~7.5 ka. Quaternary International, 2020, 537, 9-23.	0.7	10
584	Responses of terrestrial water storage to climate variation in the Tibetan Plateau. Journal of Hydrology, 2020, 584, 124652.	2.3	33
585	Characterization of the hydro-geological regime of Yangtze River basin using remotely-sensed and modeled products. Science of the Total Environment, 2020, 718, 137354.	3.9	41
586	Impact of Eastern Tibetan Plateau Glacier Melt on Land Water Storage Change across the Yangtze River Basin. Journal of Hydrologic Engineering - ASCE, 2020, 25, .	0.8	11
587	A Multiple 1D Earth Approach (M1DEA) to account for lateral viscosity variations in solutions of the sea level equation: An application for glacial isostatic adjustment by Antarctic deglaciation. Journal of Geodynamics, 2020, 135, 101695.	0.7	5
588	Continuity of the Mass Loss of the World's Glaciers and Ice Caps From the GRACE and GRACE Followâ€On Missions. Geophysical Research Letters, 2020, 47, e2019GL086926.	1.5	88
589	Recovery of Rapid Water Mass Changes (RWMC) by Kalman Filtering of GRACE Observations. Remote Sensing, 2020, 12, 1299.	1.8	11
590	Which heterogeneous glacier melting patterns can be robustly observed from space? A multi-scale assessment in southeastern Tibetan Plateau. Remote Sensing of Environment, 2020, 242, 111777.	4.6	36
591	Understanding of Contemporary Regional Seaâ€Level Change and the Implications for the Future. Reviews of Geophysics, 2020, 58, e2019RG000672.	9.0	74
592	Highâ€Resolution GRACE Monthly Spherical Harmonic Solutions. Journal of Geophysical Research: Solid Earth, 2021, 126, .	1.4	18
593	Continuous Estimates of Glacier Mass Balance in High Mountain Asia Based on ICESatâ€1,2 and GRACE/GRACE Followâ€On Data. Geophysical Research Letters, 2021, 48, e2020GL090954.	1.5	39
594	The impact of error covariance matrix structure of GRACEâ€™s gravity solution on the mass flux estimates of Greenland ice sheet. Advances in Space Research, 2021, 67, 163-178.	1.2	2

#	Article	IF	Citations
595	The Response of Glaciers to Climate Change: Observations and Impacts. , 2021, , .		3
596	Climate-driven acceleration of glacier mass loss on global and regional scales during 1961â€“2016. Science China Earth Sciences, 2021, 64, 589-599.	2.3	6
597	Land ice. , 2021, , 141-156.		0
598	Glaciers and climate change. , 2021, , 157-176.		11
599	Estimation of surface density changes using a mascon method in GRACE-like missions. Journal of Earth System Science, 2021, 130, 1.	0.6	1
600	Surface Velocity Analysis of Surge Region of Karayaylak Glacier from 2014 to 2020 in the Pamir Plateau. Remote Sensing, 2021, 13, 774.	1.8	9
601	Continental Water Storage Changes Sensed by GRACE Satellite Gravimetry. , 0, , .		0
602	Estimation of mass and energy balance of glaciers using a distributed energy balance model over the Chandra river basin (Western Himalaya). Hydrological Processes, 2021, 35, e14058.	1.1	4
603	Contextualizing lobate debris aprons and glacier-like forms on Mars with debris-covered glaciers on Earth. Progress in Physical Geography, 2021, 45, 130-186.	1.4	4
604	Long-term global ground heat flux and continental heat storage from geothermal data. Climate of the Past, 2021, 17, 451-468.	1.3	17
605	Increasing cryospheric hazards in a warming climate. Earth-Science Reviews, 2021, 213, 103500.	4.0	83
606	Glacier mass balance in High Mountain Asia inferred from a GRACE release-6 gravity solution for the period 2002â€“2016. Journal of Arid Land, 2021, 13, 224-238.	0.9	4
607	Reconstruction of Past Glacier Changes with an Ice-Flow Glacier Model: Proof of Concept and Validation. Frontiers in Earth Science, 2021, 9, .	0.8	10
608	What Can We Expect from the Inclined Satellite Formation for Temporal Gravity Field Determination?. Surveys in Geophysics, 2021, 42, 699-726.	2.1	13
609	Antarctic Ice Mass Change Products from GRACE/GRACE-FO Using Tailored Sensitivity Kernels. Remote Sensing, 2021, 13, 1736.	1.8	15
610	A time series assessment of terrestrial water storage and its relationship with hydro-meteorological factors in Gilgit-Baltistan region using GRACE observation and GLDAS-Noah model. SN Applied Sciences, 2021, 3, 1.	1.5	9
611	Glacier Retreat in Iceland Mapped from Space: Time Series Analysis of Geodata from 1941 to 2018. PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science, 2021, 89, 273-291.	0.7	4
612	Detection of total water mass changes in the Patagonian glaciers area by satellite gravimetry. Geofisica International, 2021, 60, 161-174.	0.2	3

#	Article	IF	Citations
613	Integrating Geomorphological Data, Geochronology and Archaeological Evidence for Coastal Landscape Reconstruction, the Case of Ammoudara Beach, Crete. Water (Switzerland), 2021, 13, 1269.	1.2	4
614	Spatially and temporally resolved ice loss in High Mountain Asia and the Gulf of Alaska observed by CryoSat-2 swath altimetry between 2010 and 2019. Cryosphere, 2021, 15, 1845-1862.	1.5	33
615	Temporal and spatial variations in the terrestrial water storage across Central Asia based on multiple satellite datasets and global hydrological models. Journal of Hydrology, 2021, 596, 126013.	2.3	42
616	First assessment of the earth heat inventory within CMIP5 historical simulations. Earth System Dynamics, 2021, 12, 581-600.	2.7	7
617	Assessing Global Presentâ€Day Surface Mass Transport and Glacial Isostatic Adjustment From Inversion of Geodetic Observations. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020713.	1.4	6
618	Spatial Difference of Terrestrial Water Storage Change and Lake Water Storage Change in the Inner Tibetan Plateau. Remote Sensing, 2021, 13, 1984.	1.8	10
619	Geophysical Signal Detection in the Earthâ€™s Oblateness Variation and Its Climate-Driven Source Analysis. Remote Sensing, 2021, 13, 2004.	1.8	3
620	Geophysical Challenges for Future Satellite Gravity Missions: Assessing the Impact of MOCASS Mission. Pure and Applied Geophysics, 2021, 178, 2223-2240.	0.8	6
621	Surface mass balance analysis at Naradu Glacier, Western Himalaya, India. Scientific Reports, 2021, 11, 12710.	1.6	8
622	Comprehensive estimation of lake volume changes on the Tibetan Plateau during 1976â€“2019 and basin-wide glacier contribution. Science of the Total Environment, 2021, 772, 145463.	3.9	70
623	Variability of the precipitation over the Tianshan Mountains, Central Asia . Part I: Linear and nonlinear trends of the annual and seasonal precipitation. International Journal of Climatology, 0, , .	1.5	10
624	Lake water storage change estimation and its linkage with terrestrial water storage change in the northeastern Tibetan Plateau. Journal of Mountain Science, 2021, 18, 1737-1747.	0.8	2
625	Quantifying Patterns of Supraglacial Debris Thickness and Their Glaciological Controls in High Mountain Asia. Frontiers in Earth Science, 2021, 9, .	0.8	5
626	Analysis and Mitigation of Biases in Greenland Ice Sheet Mass Balance Trend Estimates From GRACE Mascon Products. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020880.	1.4	10
627	Twentieth century global glacier mass change: an ensemble-based model reconstruction. Cryosphere, 2021, 15, 3135-3157.	1.5	8
628	Gravity field of Sarmatia according to satellite data (model EIGEN-6S2) and its interpretation. Geofizicheskiy Zhurnal, 2021, 43, 47-63.	0.0	0
629	Dissolved Organic Matter Processing in Pristine Antarctic Streams. Environmental Science & Technology, 2021, 55, 10175-10185.	4.6	16
630	Automated Dynamic Mascon Generation for GRACE and GRACE-FO Harmonic Processing. Remote Sensing, 2021, 13, 3134.	1.8	0

#	Article	IF	Citations
631	Using NARX neural network to forecast droughts and floods over Yangtze River Basin. Natural Hazards, 2022, 110, 225-246.	1.6	7
632	GRACE Fast Mascons From Spherical Harmonics and a Regularization Design Trade Study. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022113.	1.4	7
633	Rapidly declining surface and terrestrial water resources in Central Asia driven by socio-economic and climatic changes. Science of the Total Environment, 2021, 784, 147193.	3.9	71
634	Evaluation of Climate in CMIP6 Models over Two Third Pole Subregions with Contrasting Circulation Systems. Journal of Climate, 2021, , 1-64.	1.2	5
635	Identifying and separating climate- and human-driven water storage anomalies using GRACE satellite data. Remote Sensing of Environment, 2021, 263, 112559.	4.6	31
636	Viscoelastic Love numbers and long-period geophysical effects. Geophysical Journal International, 2021, 228, 1191-1212.	1.0	6
637	Black carbon and dust in the Third Pole glaciers: Revaluated concentrations, mass absorption cross-sections and contributions to glacier ablation. Science of the Total Environment, 2021, 789, 147746.	3.9	14
638	Basic oxygen furnace slag as a support material for the cultivation of indigenous marine microalgae. Bioresource Technology, 2021, 342, 125968.	4.8	3
639	Use of a multiscalar GRACE-based standardized terrestrial water storage index for assessing global hydrological droughts. Journal of Hydrology, 2021, 603, 126871.	2.3	18
640	The Sea-Level Changes in Hong Kong From Tide-Gauge Records and Remote Sensing Observations Over the Last Seven Decades. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 6777-6791.	2.3	6
641	Improving the Reliability of the Prediction of Terrestrial Water Storage in Yunnan Using the Artificial Neural Network Selective Joint Prediction Model. IEEE Access, 2021, 9, 31865-31879.	2.6	4
642	Climate change and melting glaciers. , 2021, , 53-84.		4
643	Glacier Response to Climate in Arctic and Himalaya During Last Seventeen Years: A Case Study of Svalbard, Arctic and Chandra Basin, Himalaya. , 2020, , 139-156.		6
644	Ice Masses of the Eastern Canadian Arctic Archipelago. World Geomorphological Landscapes, 2020, , 297-314.	0.1	5
645	Glaciers and Monsoon Systems. Springer Climate, 2016, , 225-249.	0.3	2
646	Modeling Groundwater Depletion at Regional and Global Scales: Present State and Future Prospects. Space Sciences Series of ISSI, 2016, , 229-261.	0.0	1
647	On Creating Global Gridded Terrestrial Water Budget Estimates from Satellite Remote Sensing. Space Sciences Series of ISSI, 2016, , 59-78.	0.0	11
648	Recent Baltic Sea Level Changes Induced by Past and Present Ice Masses. Coastal Research Library, 2017, , 55-68.	0.2	5

#	Article	IF	Citations
649	A New Glacier Inventory for the Southern Patagonia Icefield and Areal Changes 1986â€“2000. , 2014, , 639-660.		14
650	A world of changing glaciers: Summary and climatic context. , 2014, , 781-840.		6
651	Karakoram Glaciers and Climate Change. Advances in Asian Human-Environmental Research, 2014, , 291-326.	0.7	2
652	Glaciers in the Earthâ€™s Hydrological Cycle: Assessments of Glacier Mass and Runoff Changes on Global and Regional Scales. Space Sciences Series of ISSI, 2013, , 813-837.	0.0	2
654	Measuring and inferring the ice thickness distribution of four glaciers in the Tien Shan, Kyrgyzstan. Journal of Glaciology, 2021, 67, 269-286.	1.1	10
655	Global sea level change signatures observed by GRACE satellite gravimetry. , 0, .		1
656	Risks and Benefits of Global Warming and the Loss of Mountain Glaciers and Ice Patches to Archeological, Paleoclimate, and Paleoecology Resources. Ecological Questions, 0, 20, 99.	0.1	6
657	The effects of global warming on allergic diseases. Hong Kong Medical Journal, 2018, 24, 277-284.	0.1	9
658	Ice Cores from the St. Elias Mountains, Yukon, Canada: Their Significance for Climate, Atmospheric Composition and Volcanism in the North Pacific Region. Arctic, 2014, 67, 35.	0.2	15
659	Impact of climate change on land, water and ecosystem quality in polar and mountainous regions: gaps in our knowledge. Climate Research, 2019, 77, 115-138.	0.4	3
660	Influence of glacier runoff on ecosystem structure in Gulf of Alaska fjords. Marine Ecology - Progress Series, 2016, 560, 19-40.	0.9	47
661	Greening Trends of Southern China Confirmed by GRACE. Remote Sensing, 2020, 12, 328.	1.8	3
662	Interannual and Seasonal Variability of Glacier Surface Velocity in the Parlung Zangbo Basin, Tibetan Plateau. Remote Sensing, 2021, 13, 80.	1.8	9
666	Global sea-level budget 1993â€“present. Earth System Science Data, 2018, 10, 1551-1590.	3.7	409
667	GRACE-REC: a reconstruction of climate-driven water storage changes over the last century. Earth System Science Data, 2019, 11, 1153-1170.	3.7	144
668	Sea-level fingerprints emergent from GRACE mission data. Earth System Science Data, 2019, 11, 629-646.	3.7	35
669	Long-term records of glacier surface velocities in the Ã–tztal Alps (Austria). Earth System Science Data, 2019, 11, 705-715.	3.7	22
670	Widespread decline in terrestrial water storage and its link to teleconnections across Asia and eastern Europe. Hydrology and Earth System Sciences, 2020, 24, 3663-3676.	1.9	19

#	Article	IF	Citations
672	THE EARTH OBSERVATION TECHNOLOGY CLUSTER. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XXXIX-B6, 31-36.	0.2	1
673	Satellite-observed monthly glacier and snow mass changes in southeast Tibet: implication for substantial meltwater contribution to the Brahmaputra. Cryosphere, 2020, 14, 2267-2281.	1.5	24
674	Empirical estimation of present-day Antarctic glacial isostatic adjustment and ice mass change. Cryosphere, 2014, 8, 743-760.	1.5	77
675	Quantifying the resolution level where the GRACE satellites can separate Greenland's glacial mass balance from surface mass balance. Cryosphere, 2015, 9, 1761-1772.	1.5	3
695	Postglacial rebound and relative sea level changes in the Baltic Sea since the Litorina transgression. Baltica, 2012, 25, 113-120.	0.1	20
696	Biostratigraphy, shoreline changes and origin of the Limnea Sea lagoons in northern Estonia: a case study of Lake Harku. Baltica, 2014, 27, 15-24.	0.1	6
697	An Oceanographic Perspective on Early Human Migrations to the Americas. Oceanography, 2020, 33, .	0.5	25
698	Archaeal Membrane Lipid-Based Paleothermometry for Applications in Polar Oceans. Oceanography, 2020, 33, .	0.5	16
701	Quantification of glacier mass budgets in the Karakoram region of Upper Indus Basin during the early twenty-first century. Journal of Hydrology, 2021, 603, 127095.	2.3	8
702	The Interannual Fluctuations in Mass Changes and Hydrological Elasticity on the Tibetan Plateau from Geodetic Measurements. Remote Sensing, 2021, 13, 4277.	1.8	3
708	Wading into the Century of Global Warming and Adaptation Strategies. Advances in Global Change Research, 2015, , 81-93.	1.6	0
710	3. Climate and other forms of environmental change, disasters and public health. Human Health Handbooks, 2015, , 59-78.	0.1	0
711	Engaging Communities to Assess the Health Effects of Extreme Weather in the Arctic. Extreme Weather and Society, 2016, , 117-133.	1.4	0
712	Indication of natural hazards using terrestrial gravity field variations observed by GRACE system. Sovremennye Problemy Distantsionnogo Zondirovaniya Zemli Iz Kosmosa, 2016, 13, 13-28.	0.1	1
713	GRACE Seismology:. Zisin (Journal of the Seismological Society of Japan 2nd Ser), 2017, 69, 69-85.	0.0	0
714	Was passiert mit dem Wetter? â€“ Grundlagen des Klimawandels. , 2018, , 3-38.		0
715	IKH TURGEN MOUNTAIN GLACIER CHANGE AND 3D SURFACE EXTENTS PREDICTION USING LONG TERM LANDSAT IMAGE AND CLIMATE DATA. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-3, 173-176.	0.0	0
718	Impacts of Climate Change on Himalayan Glaciers: Processes, Predictions and Uncertainties. , 2020, , 331-349.		1

#	Article	IF	Citations
719	Monitoring changes of the Antarctic Ice sheet by GRACE, ICESat and GNSS. Contributions To Geophysics and Geodesy, 2019, 49, 403-424.	0.2	2
720	Global Warming and the Role of Environmental Policy in Protecting the U.S. Quality of Life. SSRN Electronic Journal, 0, , .	0.4	1
721	The role of falling ice radiative effects on climate projections over Arctic under global warming. Terrestrial, Atmospheric and Oceanic Sciences, 2020, 31, 633-648.	0.3	0
722	A COMBINED ACTIVE AND PASSIVE METHOD FOR THE REMOTE SENSING OF ICE SHEET TEMPERATURE PROFILES. Progress in Electromagnetics Research, 2020, 167, 111-126.	1.6	7
723	Characterizing the Surface Velocities of Zemu Glacier, Himalayas, Based on GF-3 SAR Images. Geomatics Science and Technology, 2020, 08, 78-87.	0.2	0
725	The New Swiss Glacier Inventory SGI2016: From a Topographical to a Glaciological Dataset. Frontiers in Earth Science, 2021, 9, .	0.8	30
726	Mass Balance. Springer Textbooks in Earth Sciences, Geography and Environment, 2021, , 161-184.	0.1	0
727	GRACE-based estimates of groundwater variations over North America from 2002 to 2017. Geodesy and Geodynamics, 2022, 13, 11-23.	1.0	9
728	Rapid Mass Loss in West Antarctica Revealed by Swarm Gravimetry in the Absence of GRACE. Geophysical Research Letters, 2021, 48, .	1.5	9
729	Structure of the Western Tibetan Vortex inconsistent with a thermally-direct circulation. Climate Dynamics, 2022, 58, 2213-2225.	1.7	4
730	Highâ€Spatialâ€Resolution Mass Rates From GRACE and GRACEâ€FO: Global and Ice Sheet Analyses. Journal of Geophysical Research: Solid Earth, 2021, 126, .	1.4	15
732	Indications on Glacially Triggered Faulting in Polar Areas. , 2021, , 366-380.		1
733	Brief communication: Increased glacier mass loss in the Russian High Arctic (2010â€“2017). Cryosphere, 2022, 16, 35-42.	1.5	6
734	Determination of Weak Terrestrial Water Storage Changes from GRACE in the Interior of the Tibetan Plateau. Remote Sensing, 2022, 14, 544.	1.8	9
735	Historical glacier change on Svalbard predicts doubling of mass loss by 2100. Nature, 2022, 601, 374-379.	13.7	56
736	Seasonal Tidewater Glacier Terminus Oscillations Bias Multiâ€Decadal Projections of Ice Mass Change. Journal of Geophysical Research F: Earth Surface, 2022, 127, .	1.0	6
737	Impact of climate change on snow precipitation and streamflow in the Upper Indus Basin ending twenty-first century. Climatic Change, 2022, 170, 1.	1.7	10
738	Assessment of point-mass solutions for recovering water mass variations from satellite gravimetry. Acta Geodaetica Et Geophysica, 2022, 57, 85-106.	0.7	2

#	Article	IF	Citations
739	Lithospheric Erosion in the Patagonian Slab Window, and Implications for Glacial Isostasy. Geophysical Research Letters, 2022, 49, .	1.5	12
740	North Atlantic Cooling is Slowing Down Mass Loss of Icelandic Glaciers. Geophysical Research Letters, 2022, 49, .	1.5	7
741	Bridging the gap between GRACE and GRACE-FO using a hydrological model. Science of the Total Environment, 2022, 822, 153659.	3.9	16
742	Epithelial barrier hypothesis: Effect of the external exposome on the microbiome and epithelial barriers in allergic disease. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 1418-1449.	2.7	132
743	Arctic glaciers record wavier circumpolar winds. Nature Climate Change, 2022, 12, 249-255.	8.1	7
745	Slight change of glaciers in the Pamir over the period 2000â€“2017. Arctic, Antarctic, and Alpine Research, 2022, 54, 13-24.	0.4	3
746	Recent Developments in Sea-Level Rise and Its Related Geological Disasters Mitigation: A Review. Journal of Marine Science and Engineering, 2022, 10, 355.	1.2	4
747	Filling Temporal Gaps within and between GRACE and GRACE-FO Terrestrial Water Storage Records: An Innovative Approach. Remote Sensing, 2022, 14, 1565.	1.8	12
748	Inter- and Intra-Annual Glacier Elevation Change in High Mountain Asia Region Based on ICESat-1&2 Data Using Elevation-Aspect Bin Analysis Method. Remote Sensing, 2022, 14, 1630.	1.8	16
749	Evolution of lake water volume in global closed basins since the Last Glacial Maximum and its implication for future projection. Progress in Physical Geography, 2022, 46, 613-629.	1.4	1
750	Investigating different timescales of terrestrial water storage changes in the northeastern Tibetan Plateau. Journal of Hydrology, 2022, 608, 127608.	2.3	9
751	Significant response of microbial community to increased salinity across wetland ecosystems. Geoderma, 2022, 415, 115778.	2.3	20
752	Acceleration of Dynamic Ice Loss in Antarctica From Satellite Gravimetry. Frontiers in Earth Science, 2021, 9, .	0.8	10
753	Sea level instantaneous budget for 2003â€“2015. Geophysical Journal International, 2022, 229, 828-837.	1.0	0
754	An Assessment of Glacier Inventories for the Third Pole Region. Frontiers in Earth Science, 2022, 10, .	0.8	6
755	Present climate and biological change. , 0, , 198-261.		0
766	Moisture Sources and Climatic Controls of Precipitation Stable Isotopes Over the Tibetan Plateau in Waterâ€Tagging Simulations. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	7
767	Glacier Mass Balance Changes Over the Turgen Daban Range, Western Qilian Shan, From 1966/75 to 2020. Frontiers in Earth Science, 2022, 10, .	0.8	2

#	Article	IF	Citations
768	Monitoring the Surface Elevation Changes of a Monsoon Temperate Glacier with Repeated UAV Surveys, Mainri Mountains, China. Remote Sensing, 2022, 14, 2229.	1.8	3
769	Molecular compositions, optical properties, and implications of dissolved brown carbon in snow/ice on the Tibetan Plateau glaciers. Environment International, 2022, 164, 107276.	4.8	10
770	On the Exploitation of Remote Sensing Technologies for the Monitoring of Coastal and River Delta Regions. Remote Sensing, 2022, 14, 2384.	1.8	6
771	Spatiotemporal changes of typical glaciers and their responses to climate change in Xinjiang, Northwest China. Journal of Arid Land, 2022, 14, 502-520.	0.9	2
772	Inter-annual oscillations of terrestrial water storage in Qinghai-Tibetan plateau from GRACE data. Journal of Applied Geodesy, 2022, .	0.6	0
773	Glacier Mass Balance Pattern and Its Variation Mechanism in the West Kunlun Mountains in Tibetan Plateau. Remote Sensing, 2022, 14, 2634.	1.8	0
774	HydroSat: geometric quantities of the global water cycle from geodetic satellites. Earth System Science Data, 2022, 14, 2463-2486.	3.7	13
775	Strain Field Features and Three-Dimensional Crustal Deformations Constrained by Dense GRACE and GPS Measurements in NE Tibet. Remote Sensing, 2022, 14, 2638.	1.8	1
776	Basin Mass Changes in Finland From GRACE: Validation and Explanation. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	5
777	Satellite observed recent rising water levels of global lakes and reservoirs. Environmental Research Letters, 2022, 17, 074013.	2.2	11
778	Driving factors and changes in components of terrestrial water storage in the endorheic Tibetan Plateau. Journal of Hydrology, 2022, 612, 128225.	2.3	23
779	Reconstructing GRACE-like time series of high mountain glacier mass anomalies. Remote Sensing of Environment, 2022, 280, 113177.	4.6	5
781	Challenges in Understanding the Variability of the Cryosphere in the Himalaya and Its Impact on Regional Water Resources. Frontiers in Water, 0, 4, .	1.0	11
782	Multitemporal Glacier Mass Balance and Area Changes in the Puruogangri Ice Field during 1975â€“2021 Based on Multisource Satellite Observations. Remote Sensing, 2022, 14, 4078.	1.8	2
783	Evaluation of Albedo Schemes in WRF Coupled with Noah-MP on the Parlung No. 4 Glacier. Remote Sensing, 2022, 14, 3934.	1.8	0
784	Climate change threatens terrestrial water storage over the Tibetan Plateau. Nature Climate Change, 2022, 12, 801-807.	8.1	100
785	Machine Learning Approaches to Automatically Detect Glacier Snow Lines on Multi-Spectral Satellite Images. Remote Sensing, 2022, 14, 3868.	1.8	4
786	How to quantify the accuracy of mass anomaly time-series based on GRACE data in the absence of knowledge about true signal?. Journal of Geodesy, 2022, 96, .	1.6	7

#	Article	IF	Citations
787	Exploring Snowfall Variability through the High-Latitude Measurement of Snowfall (HiLaMS) Field Campaign. Bulletin of the American Meteorological Society, 2022, 103, E1762-E1780.	1.7	3
789	Spatiotemporal dynamics of suspended particulate matter in the Bohai Sea, China over the past decade from the space perspective. Science of the Total Environment, 2022, 851, 158210.	3.9	11
790	Monitoring glacier thinning rate in Rongbuk Catchment on the northern slope of Mt. Qomolangma from 1974 to 2021. Ecological Indicators, 2022, 144, 109418.	2.6	2
791	Global hydroclimatic drivers of terrestrial water storage changes in different climates. Catena, 2022, 219, 106598.	2.2	4
792	Greenland Interannual Ice Mass Variations Detected by GRACE Timeâ€Variable Gravity. Geophysical Research Letters, 2022, 49, .	1.5	2
793	A Technical Note on Least Squares Mascon Fitting to GRACE Satellite Data to Estimate Total Water Storage Changes in the Middle East. Springer Water, 2022, , 115-128.	0.2	0
794	The interactive feedback mechanisms between terrestrial water storage and vegetation in the Tibetan Plateau. Frontiers in Earth Science, 0, 10, .	0.8	3
795	What Controls Lake Contraction and Then Expansion in Tibetan Plateauâ€™s Endorheic Basin Over the Past Half Century?. Geophysical Research Letters, 2022, 49, .	1.5	9
796	Glacier Mass Loss Simulation Based on Remote Sensing Data: A Case Study of the Yala Glacier and the Qiyi Glacier in the Third Pole. Remote Sensing, 2022, 14, 5190.	1.8	1
798	Glacier Changes in Indiaâ€™s Dhauliganga Catchment over the Past Two Decades. Remote Sensing, 2022, 14, 5692.	1.8	1
799	What drives the decrease of glacier surface albedo in High Mountain Asia in the past two decades?. Science of the Total Environment, 2023, 863, 160945.	3.9	6
800	Assessment of gravity field recovery from a quantum satellite mission with atomic clocks and cold atom gradiometers. Quantum Science and Technology, 2023, 8, 014009.	2.6	3
802	Spatially heterogeneous nonlinear signal in Antarctic ice-sheet mass loss revealed by GRACE and GPS. Geophysical Journal International, 2023, 233, 826-838.	1.0	4
803	Differential response of seabird species to warm- and cold-water events in a heterogeneous cross-shelf environment in the Gulf of Alaska. Marine Ecology - Progress Series, 0, , .	0.9	0
805	Measuring glacier mass changes from spaceâ€”a review. Reports on Progress in Physics, 2023, 86, 036801.	8.1	12
806	Statistically optimal estimation of surface mass anomalies by directly using GRACE level-2 spherical harmonic coefficients as measurements. Geophysical Journal International, 0, , .	1.0	0
807	The sensitivity kernel perspective on GRACE mass change estimates. Journal of Geodesy, 2023, 97, .	1.6	4
809	The impacts of reducing atmospheric and oceanic de-aliasing model error on temporal gravity field model determination. Geophysical Journal International, 2023, 234, 210-227.	1.0	2

#	Article	IF	Citations
810	Estimating the spatio-temporal assessment of GRACE/GRACE-FO derived groundwater storage depletion and validation with in-situ water quality data (Yazd province, central Iran). Journal of Hydrology, 2023, 620, 129416.	2.3	11
811	Ecological restoration exacerbates the agriculture-induced water crisis in North China Region. Agricultural and Forest Meteorology, 2023, 331, 109341.	1.9	15
812	Impacts of Drought on Loan Repayment. Journal of Risk and Financial Management, 2023, 16, 85.	1.1	1
813	One-degree resolution mascon solution over Antarctic derived from GRACE Level-2 data. Frontiers in Earth Science, 0, 11, .	0.8	2
814	Continuous Intra-Annual Changes of Lake Water Level and Water Storage from 2000 to 2018 on the Tibetan Plateau. Remote Sensing, 2023, 15, 893.	1.8	1
815	Glacier contribution to lowland streamflow: A multi-year, daily geochemical hydrograph separation study in subarctic Alaska. Chemical Geology, 2023, 621, 121368.	1.4	2
816	Comprehensive Radar Mapping of Malaspina Glacier (SÃ‡' Tlein), Alaskaâ€"The World's Largest Piedmont Glacierâ€"Reveals Potential for Instability. Journal of Geophysical Research F: Earth Surface, 2023, 128, .	1.0	0
817	Contribution of vanishing mountain glaciers to global and regional terrestrial water storage changes. Frontiers in Earth Science, 0, 11, .	0.8	0
818	Glacier mass balance in Asian high mountains: Reconsideration of satellite gravimetry estimates. Journal of the Japanese Society of Snow and Ice, 2014, 76, 45-57.	0.0	0
819	Himalayan Glaciergate and its aftermath. Journal of the Japanese Society of Snow and Ice, 2014, 76, 69-78.	0.0	0
820	Recent studies of Himalayan glaciers using remote sensing. Journal of the Japanese Society of Snow and Ice, 2014, 76, 105-114.	0.0	0
821	Oceanic climate changes threaten the sustainability of Asiaâ€™s water tower. Nature, 2023, 615, 87-93.	13.7	31
822	A Bibliometric and Visualized Analysis of Remote Sensing Methods for Glacier Mass Balance Research. Remote Sensing, 2023, 15, 1425.	1.8	3
824	Assessment of a near-polar pair mission for detecting the Earth's temporal gravity field. Geophysical Journal International, 2023, 234, 852-869.	1.0	2
825	Increasing rate of 21st century volume loss of the Patagonian Icefields measured from proglacial river discharge. Journal of Glaciology, 2023, 69, 1187-1202.	1.1	1
826	A Combined Assessment of Sea Level Rise (SLR) Effect on Antalya Gulf (TÃ¼rkiye) and Future Predictions on Land Loss. Journal of the Indian Society of Remote Sensing, 2023, 51, 1121-1133.	1.2	2
844	Measuring crowding levels using circle packing method: Application at Hawaiiâ€™s beaches. , 2023, , .		0
849	Evolution of drought and flood events on the Qinghai-Tibet Plateau and key issues for response. Science China Earth Sciences, 2023, 66, 2514-2529.	2.3	0

#	Article	IF	Citations
850	GIS-Based Spatial Modeling of Potential Impacts of Sea Level Rise Along the Nile Delta Coast. , 2023, , 129-180.		0
859	Estimation of Glacier Dynamics for Glacier De CorbassiÃ¨re Using Satellite Image Cross Correlation Approach. Lecture Notes in Electrical Engineering, 2024, , 117-125.	0.3	0