

Response of debris-covered glaciers in the Mount Everest region: implications for outburst flood hazards

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Glaciological Investigations Using the Synthetic Aperture Radar Imaging System. <i>Annals of Glaciology</i> , 1987, 9, 11-19.	1.4	28
2	An approach for estimating the breach probabilities of moraine-dammed lakes in the Chinese Himalayas using remote-sensing data. <i>Natural Hazards and Earth System Sciences</i> , 2012, 12, 3109-3122.	3.6	90
3	Glacier characteristics and changes in the Sary-Jaz River Basin (Central Tien Shan, Kyrgyzstan) â€“ 1990â€“2010. <i>Remote Sensing Letters</i> , 2013, 4, 725-734.	1.4	59
4	Glacier Inventory in Indus, Ganga and Brahmaputra Basins of the Himalaya. <i>The National Academy of Sciences, India</i> , 2013, 36, 497-505.	1.3	26
5	The glacial sedimentology and geomorphological evolution of an outwash head/moraine-dammed lake, South Island, New Zealand. <i>Sedimentary Geology</i> , 2013, 284-285, 45-75.	2.1	29
6	Floods in a Changing Climate. <i>Geography Compass</i> , 2013, 7, 95-115.	2.7	50
7	Properties of natural supraglacial debris in relation to modelling subâ€“debris ice ablation. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 490-501.	2.5	97
8	Region-wide glacier mass balances over the Pamir-Karakoram-Himalaya during 1999â€“2011. <i>Cryosphere</i> , 2013, 7, 1263-1286.	3.9	631
9	Changes of glacial lakes and implications in Tian Shan, central Asia, based on remote sensing data from 1990 to 2010. <i>Environmental Research Letters</i> , 2013, 8, 044052.	5.2	104
10	The influence of debris cover and glacial lakes on the recession of glaciers in Sikkim Himalaya, India. <i>Journal of Glaciology</i> , 2013, 59, 1035-1046.	2.2	157
11	On the response of Himalayan glaciers to climate change. <i>Journal of Glaciology</i> , 2013, 59, 480-490.	2.2	63
12	Accelerated thermokarst formation in the McMurdo Dry Valleys, Antarctica. <i>Scientific Reports</i> , 2013, 3, 2269.	3.3	35
13	Impact of varying debris cover thickness on ablation: a case study for Koxkar Glacier in the Tien Shan. <i>Cryosphere</i> , 2014, 8, 377-386.	3.9	91
14	Changes in Imja Tsho in the Mount Everest region of Nepal. <i>Cryosphere</i> , 2014, 8, 1661-1671.	3.9	42
15	New method for assessing the susceptibility of glacial lakes to outburst floods in the Cordillera Blanca, Peru. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 3461-3479.	4.9	66
16	Ice dams, outburst floods, and glacial incision at the western margin of the Tibetan Plateau: A >100 k.y. chronology from the Shyok Valley, Karakoram. <i>Bulletin of the Geological Society of America</i> , 2014, 126, 738-758.	3.3	33
17	Glacier meltwater flow paths and storage in a geomorphologically complex glacial foreland: The case of the Tapado glacier, dry Andes of Chile (30Â°S). <i>Journal of Hydrology</i> , 2014, 519, 1068-1083.	5.4	41
18	Debris thickness of glaciers in the Everest area (Nepal Himalaya) derived from satellite imagery using a nonlinear energy balance model. <i>Cryosphere</i> , 2014, 8, 1317-1329.	3.9	66

#	ARTICLE	IF	CITATIONS
19	Reconstructing historic Glacial Lake Outburst Floods through numerical modelling and geomorphological assessment: Extreme events in the Himalaya. <i>Earth Surface Processes and Landforms</i> , 2014, 39, 1675-1692.	2.5	45
20	Tracing glacier changes since the 1960s on the south slope of Mt. Everest (central Southern Himalaya) using optical satellite imagery. <i>Cryosphere</i> , 2014, 8, 1297-1315.	3.9	95
21	Glacial and glacially conditioned lake types in the Cordillera Blanca, Peru. <i>Progress in Physical Geography</i> , 2014, 38, 602-636.	3.2	23
22	Chemistry and isotopic composition of precipitation and surface waters in Khumbu valley (Nepal) <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i>	8.0	25
23	Geomorphology, internal structure, and successive development of a glacier foreland in the semiarid Chilean Andes (Cerro Tapado, upper Elqui Valley, 30°08' S., 69°55' W.). <i>Geomorphology</i> , 2014, 207, 126-140.	2.6	33
24	Modelling outburst floods from moraine-dammed glacial lakes. <i>Earth-Science Reviews</i> , 2014, 134, 137-159.	9.1	206
25	Reconstructing glacier retreat since the Little Ice Age in SE Tibet by glacier mapping and equilibrium line altitude calculation. <i>Geomorphology</i> , 2014, 214, 22-39.	2.6	86
26	Evidence for Mountain Glacier Changes in Semi-arid Environments based on Remote Sensing Data. <i>Journal of the Indian Society of Remote Sensing</i> , 2014, 42, 801-815.	2.4	5
27	Estimation and analysis of the surface velocity field of mountain glaciers in Muztag Ata using satellite SAR data. <i>Environmental Earth Sciences</i> , 2014, 71, 3581-3592.	2.7	17
28	Glacier change in the Poiqu River basin inferred from Landsat data from 1975 to 2010. <i>Quaternary International</i> , 2014, 349, 392-401.	1.5	23
29	High uncertainty in 21st century runoff projections from glacierized basins. <i>Journal of Hydrology</i> , 2014, 510, 35-48.	5.4	89
30	High-resolution monitoring of Himalayan glacier dynamics using unmanned aerial vehicles. <i>Remote Sensing of Environment</i> , 2014, 150, 93-103.	11.0	382
31	Numerical simulations of Gurenhekou glacier on the Tibetan Plateau. <i>Journal of Glaciology</i> , 2014, 60, 71-82.	2.2	27
32	Glacier changes in the Koshi River basin, central Himalaya, from 1976 to 2009, derived from remote-sensing imagery. <i>Annals of Glaciology</i> , 2014, 55, 61-68.	1.4	25
33	Modelling ice-cliff backwasting on a debris-covered glacier in the Nepalese Himalaya. <i>Journal of Glaciology</i> , 2015, 61, 889-907.	2.2	70
34	Investigating decadal-scale geomorphic dynamics in an alpine mountain setting. <i>Journal of Geophysical Research F: Earth Surface</i> , 2015, 120, 2155-2175.	2.8	64
35	Glacier mass changes in Rongbuk catchment on Mt. Qomolangma from 1974 to 2006 based on topographic maps and ALOS PRISM data. <i>Journal of Hydrology</i> , 2015, 530, 273-280.	5.4	42
36	Moraine-dammed lake distribution and outburst flood risk in the Chinese Himalaya. <i>Journal of Glaciology</i> , 2015, 61, 115-126.	2.2	47

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37	Influence of debris cover and altitude on glacier surface melting: a case study on Dokriani Glacier, central Himalaya, India. <i>Annals of Glaciology</i> , 2015, 56, 9-16.	1.4	117
38	The influence of ground ice distribution on geomorphic dynamics since the Little Ice Age in proglacial areas of two cirque glacier systems. <i>Earth Surface Processes and Landforms</i> , 2015, 40, 666-680.	2.5	45
39	Assessment of the evolution in velocity of two debris-covered valley glaciers in nepal and new zealand. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2015, 97, 737-751.	1.5	18
40	Integrated simulation of snow and glacier melt in water and energy balance-based, distributed hydrological modeling framework at Hunza River Basin of Pakistan Karakoram region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 4889-4919.	3.3	94
41	Glacier floods. , 2015, , 204-226.		1
42	Modelling glacier change in the Everest region, Nepal Himalaya. <i>Cryosphere</i> , 2015, 9, 1105-1128.	3.9	137
43	Debris-covered glacier energy balance model for Imja Lhotse Shar Glacier in the Everest region of Nepal. <i>Cryosphere</i> , 2015, 9, 2295-2310.	3.9	43
44	Weak precipitation, warm winters and springs impact glaciers of south slopes of Mt. Everest (central) Tj ETQq1 1 0.784314 rBT /Overlo	3.9	151
45	Mass changes of Southern and Northern Inylchek Glacier, Central Tian Shan, Kyrgyzstan, during 1975 and 2007 derived from remote sensing data. <i>Cryosphere</i> , 2015, 9, 703-717.	3.9	57
46	Mass-balance changes of the debris-covered glaciers in the Langtang Himal, Nepal, from 1974 to 1999. <i>Journal of Glaciology</i> , 2015, 61, 373-386.	2.2	129
47	Spatiotemporal patterns of high-mountain lakes and related hazards in western Austria. <i>Geomorphology</i> , 2015, 246, 602-616.	2.6	48
48	Heterogeneous expansion of end-moraine dammed lakes in the Hindukush-Karakoram-Himalaya ranges of Pakistan during 2001-2013. <i>Journal of Mountain Science</i> , 2015, 12, 1113-1124.	2.0	4
49	Rapid expansion of glacial lakes caused by climate and glacier retreat in the Central Himalayas. <i>Hydrological Processes</i> , 2015, 29, 859-874.	2.6	139
50	Unraveling the hydrology of a Himalayan catchment through integration of high resolution in situ data and remote sensing with an advanced simulation model. <i>Advances in Water Resources</i> , 2015, 78, 94-111.	3.8	142
51	Numerical modelling of glacial lake outburst floods using physically based dam-breach models. <i>Earth Surface Dynamics</i> , 2015, 3, 171-199.	2.4	32
52	Reconsidering the glacier to rock glacier transformation problem: New insights from the central Andes of Chile. <i>Geomorphology</i> , 2015, 238, 47-55.	2.6	64
53	Distribution and interannual variability of supraglacial lakes on debris-covered glaciers in the Khan Tengri-Tumor Mountains, Central Asia. <i>Environmental Research Letters</i> , 2015, 10, 014014.	5.2	28
54	Historical assessment of Chinese and Japanese flood management policies and implications for managing future floods. <i>Environmental Science and Policy</i> , 2015, 48, 265-277.	4.9	85

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55	Eskers in a complete, wet-based glacial system in the Phlegra Montes region, Mars. <i>Earth and Planetary Science Letters</i> , 2015, 431, 96-109.	4.4	39
56	Automated classification of debris-covered glaciers combining optical, SAR and topographic data in an object-based environment. <i>Remote Sensing of Environment</i> , 2015, 170, 372-387.	11.0	118
57	Glacier changes in the Ravi basin, North-Western Himalaya (India) during the last four decades (1971â€“2010/13). <i>Global and Planetary Change</i> , 2015, 135, 133-147.	3.5	88
58	Frontal changes in the Manimahesh and Tal Glaciers in the Ravi basin, Himachal Pradesh, northwestern Himalaya (India), between 1971 and 2013. <i>International Journal of Remote Sensing</i> , 2015, 36, 4095-4113.	2.9	26
59	An improved method to represent DEM uncertainty in glacial lake outburst flood propagation using stochastic simulations. <i>Journal of Hydrology</i> , 2015, 529, 1373-1389.	5.4	27
60	Geomorphology, internal structure, and successive development of a glacier foreland in the semiarid Chilean Andes (Cerro Tapado, upper Elqui Valley, 30°08' S., 69°55' W.) â€” Reply to Discussion by D.C. Nobes. <i>Geomorphology</i> , 2015, 250, 461-463.	2.6	5
61	Modelling the feedbacks between mass balance, ice flow and debris transport to predict the response to climate change of debris-covered glaciers in the Himalaya. <i>Earth and Planetary Science Letters</i> , 2015, 430, 427-438.	4.4	158
62	Toward a late Holocene glacial chronology for the eastern NyainqÃªntanglha Range, southeastern Tibet. <i>Quaternary Science Reviews</i> , 2015, 107, 243-259.	3.0	20
63	Recent evolution and degradation of the bent Jatunraju glacier (Cordillera Blanca, Peru). <i>Geomorphology</i> , 2015, 228, 345-355.	2.6	36
64	Quantifying ice loss in the eastern Himalayas since 1974 using declassified spy satellite imagery. <i>Cryosphere</i> , 2016, 10, 2203-2215.	3.9	58
65	Reduced melt on debris-covered glaciers: investigations from Changri Nup Glacier, Nepal. <i>Cryosphere</i> , 2016, 10, 1845-1858.	3.9	118
66	Internal Structure and Current Evolution of Very Small Debris-Covered Glacier Systems Located in Alpine Permafrost Environments. <i>Frontiers in Earth Science</i> , 2016, 4, .	1.8	41
67	Elevation Change Rates of Glaciers in the Lahaul-Spiti (Western Himalaya, India) during 2000â€“2012 and 2012â€“2013. <i>Remote Sensing</i> , 2016, 8, 1038.	4.0	95
68	Modeling debris-covered glaciers: response to steady debris deposition. <i>Cryosphere</i> , 2016, 10, 1105-1124.	3.9	100
69	Uncertainty in the Himalayan energyâ€“water nexus: estimating regional exposure to glacial lake outburst floods. <i>Environmental Research Letters</i> , 2016, 11, 074005.	5.2	98
70	Stagnation and mass loss on a Himalayan debris-covered glacier: processes, patterns and rates. <i>Journal of Glaciology</i> , 2016, 62, 467-485.	2.2	109
71	Decadal evolution of a very small heavily debris-covered glacier in an Alpine permafrost environment. <i>Journal of Glaciology</i> , 2016, 62, 535-551.	2.2	29
72	Glacier area stability in the Central Karakoram National Park (Pakistan) in 2001â€“2010. <i>Progress in Physical Geography</i> , 2016, 40, 629-660.	3.2	57

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73	A grid-based model of backwasting of supraglacial ice cliffs on debris-covered glaciers. <i>Annals of Glaciology</i> , 2016, 57, 199-211.	1.4	74
74	Factors controlling the accelerated expansion of Imja Lake, Mount Everest region, Nepal. <i>Annals of Glaciology</i> , 2016, 57, 245-257.	1.4	64
75	Variability of air temperature over a debris-covered glacier in the Nepalese Himalaya. <i>Annals of Glaciology</i> , 2016, 57, 295-307.	1.4	40
76	Seasonal surface velocities of a Himalayan glacier derived by automated correlation of unmanned aerial vehicle imagery. <i>Annals of Glaciology</i> , 2016, 57, 103-113.	1.4	108
77	Recent glacier and glacial lake changes and their interactions in the Bugyai Kangri, southeast Tibet. <i>Annals of Glaciology</i> , 2016, 57, 61-69.	1.4	25
78	Refined energy-balance modelling of a supraglacial pond, Langtang Khola, Nepal. <i>Annals of Glaciology</i> , 2016, 57, 29-40.	1.4	95
79	Debris control on glacier thinning—a case study of the Batal glacier, Chandra basin, Western Himalaya. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	1.3	16
80	Heterogeneity in supraglacial debris thickness and its role in glacier mass changes of the Mount Gongga. <i>Science China Earth Sciences</i> , 2016, 59, 170-184.	5.2	31
81	Differential response of glaciers with varying debris cover extent: evidence from changing glacier parameters. <i>International Journal of Remote Sensing</i> , 2016, 37, 2453-2479.	2.9	83
82	Glacier changes and related glacial lake expansion in the Bhutan Himalaya, 1990–2010. <i>Regional Environmental Change</i> , 2016, 16, 1267-1278.	2.9	19
83	Object-based analysis of unmanned aerial vehicle imagery to map and characterise surface features on a debris-covered glacier. <i>Remote Sensing of Environment</i> , 2016, 186, 581-595.	11.0	117
84	Contrasting climate change impact on river flows from high-altitude catchments in the Himalayan and Andes Mountains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9222-9227.	7.1	145
85	Recent spatial and temporal variations in debris cover on Patagonian glaciers. <i>Geomorphology</i> , 2016, 273, 202-216.	2.6	43
86	Glacier change in the western Nyainqentanglha Range, Tibetan Plateau using historical maps and Landsat imagery: 1970-2014. <i>Journal of Mountain Science</i> , 2016, 13, 1358-1374.	2.0	11
87	A physically based 3D model of ice cliff evolution over debris-covered glaciers. <i>Journal of Geophysical Research F: Earth Surface</i> , 2016, 121, 2471-2493.	2.8	47
88	Geometric evolution of the Horcones Inferior Glacier (Mount Aconcagua, Central Andes) during the 2002–2006 surge. <i>Journal of Geophysical Research F: Earth Surface</i> , 2016, 121, 111-127.	2.8	31
89	Future hydrological regimes and glacier cover in the Everest region: The case study of the upper Dudh Koshi basin. <i>Science of the Total Environment</i> , 2016, 565, 1084-1101.	8.0	55
90	Chemistry of Supraglacial Ponds in the Debris-Covered Area of Lirung Glacier in Central Nepal Himalayas. <i>Aquatic Geochemistry</i> , 2016, 22, 35-64.	1.3	6

#	ARTICLE	IF	CITATIONS
91	Spatiotemporal variations in surface velocity of the Gangotri glacier, Garhwal Himalaya, India: Study using synthetic aperture radar data. Remote Sensing of Environment, 2016, 181, 151-161.	11.0	52
92	The dynamics of supraglacial ponds in the Everest region, central Himalaya. Global and Planetary Change, 2016, 142, 14-27.	3.5	92
93	An enhanced temperature index model for debris-covered glaciers accounting for thickness effect. Advances in Water Resources, 2016, 94, 457-469.	3.8	35
94	Monitoring Frontal Changes of Shah Glacier in the Ravi Basin, Himachal Himalaya (India) from 1965 to 2013. The National Academy of Sciences, India, 2016, 39, 109-114.	1.3	7
95	Glaciological and geomorphological map of Glacier Noir and Glacier Blanc, French Alps. Journal of Maps, 2016, 12, 582-596.	2.0	7
96	The Himalayan cryosphere: A critical assessment and evaluation of glacial melt fraction in the Bhagirathi basin. Geoscience Frontiers, 2017, 8, 107-115.	8.4	48
97	Site- and species-specific treeline responses to climatic variability in eastern Nepal Himalaya. Dendrochronologia, 2017, 41, 44-56.	2.2	68
98	Assessing linkages between spatial facies changes and dimensional variations of glaciers in the upper Indus Basin, western Himalaya. Geomorphology, 2017, 284, 115-129.	2.6	46
99	Slight glacier mass loss in the Karakoram region during the 1970s to 2000 revealed by KH-9 images and SRTM DEM. Journal of Glaciology, 2017, 63, 331-342.	2.2	96
100	Recent slowdown and thinning of debris-covered glaciers in south-eastern Tibet. Earth and Planetary Science Letters, 2017, 464, 95-102.	4.4	61
101	Climate Hazard Crises in Asian Societies and Environments. , 0, , .		3
102	Automatic Weather Station Observations of the April 2014 Mount Everest Avalanche. Arctic, Antarctic, and Alpine Research, 2017, 49, 321-330.	1.1	6
103	Spatial, seasonal and interannual variability of supraglacial ponds in the Langtang Valley of Nepal, 1999–2013. Journal of Glaciology, 2017, 63, 88-105.	2.2	60
104	Seasonal drainage of supraglacial lakes on debris-covered glaciers in the Tien Shan Mountains, Central Asia. Geomorphology, 2017, 286, 133-142.	2.6	34
105	Reconstructing the evolution of a deep seated rockslide (Marzell) and its response to glacial retreat based on historic and remote sensing data. Geomorphology, 2017, 298, 72-85.	2.6	27
106	The formation of ice sails. Geophysical and Astrophysical Fluid Dynamics, 2017, 111, 411-428.	1.2	5
107	Reconstructing the pattern of the Bara Shigri Glacier fluctuation since the end of the Little Ice Age, Chandra valley, north-western Himalaya. Progress in Physical Geography, 2017, 41, 643-675.	3.2	38
108	Quantifying ice cliff evolution with multi-temporal point clouds on the debris-covered Khumbu Glacier, Nepal. Journal of Glaciology, 2017, 63, 823-837.	2.2	48

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109	Anatomy of terminal moraine segments and implied lake stability on Ngozumpa Glacier, Nepal, from electrical resistivity tomography (ERT). Scientific Reports, 2017, 7, 46766.	3.3	15
110	Evaluating morphological estimates of the aerodynamic roughness of debris covered glacier ice. Earth Surface Processes and Landforms, 2017, 42, 2541-2553.	2.5	17
111	Extraction of Glacial Lakes in Gangotri Glacier Using Object-Based Image Analysis. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, , 1-9.	4.9	17
112	Temporal variations in supraglacial debris distribution on Baltoro Glacier, Karakoram between 2001 and 2012. Geomorphology, 2017, 295, 572-585.	2.6	40
113	Supraglacial Ponds Regulate Runoff From Himalayan Debris-Covered Glaciers. Geophysical Research Letters, 2017, 44, 11,894.	4.0	30
114	Thickness estimation of supraglacial debris above ice cliff exposures using a high-resolution digital surface model derived from terrestrial photography. Journal of Glaciology, 2017, 63, 989-998.	2.2	18
115	Ground-penetrating radar measurements of debris thickness on Lirung Glacier, Nepal. Journal of Glaciology, 2017, 63, 543-555.	2.2	45
116	Influence of topography on glacier changes in the central Himalaya, India. Global and Planetary Change, 2017, 155, 196-212.	3.5	71
117	Assessing the status of glaciers in part of the Chandra basin, Himachal Himalaya: A multiparametric approach. Geomorphology, 2017, 284, 99-114.	2.6	73
118	A conceptual model of supra-glacial lake formation on debris-covered glaciers based on GPR facies analysis. Earth Surface Processes and Landforms, 2017, 42, 903-914.	2.5	36
119	The "Little Ice Age"™ in the Himalaya: A review of glacier advance driven by Northern Hemisphere temperature change. Holocene, 2017, 27, 292-308.	1.7	69
120	Ice cliff dynamics in the Everest region of the Central Himalaya. Geomorphology, 2017, 278, 238-251.	2.6	48
121	Comparison of the meteorology and surface energy fluxes of debris-free and debris-covered glaciers in the southeastern Tibetan Plateau. Journal of Glaciology, 2017, 63, 1090-1104.	2.2	17
122	Spatial variability in mass loss of glaciers in the Everest region, central Himalayas, between 2000 and 2015. Cryosphere, 2017, 11, 407-426.	3.9	100
123	Structure and evolution of the drainage system of a Himalayan debris-covered glacier, and its relationship with patterns of mass loss. Cryosphere, 2017, 11, 2247-2264.	3.9	58
124	Annual and Seasonal Glacier-Wide Surface Mass Balance Quantified from Changes in Glacier Surface State: A Review on Existing Methods Using Optical Satellite Imagery. Remote Sensing, 2017, 9, 507.	4.0	25
125	Thermal and Physical Investigations into Lake Deepening Processes on Spillway Lake, Ngozumpa Glacier, Nepal. Water (Switzerland), 2017, 9, 362.	2.7	2
126	Pond Dynamics and Supraglacial-Englacial Connectivity on Debris-Covered Lirung Glacier, Nepal. Frontiers in Earth Science, 2017, 5, .	1.8	47

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127	Glacier inventory and recent glacier variations in the Andes of Chile, South America. <i>Annals of Glaciology</i> , 2017, 58, 166-180.	1.4	84
128	Climateâ€“Glacier Dynamics and Topographic Forcing in the Karakoram Himalaya: Concepts, Issues and Research Directions. <i>Water</i> (Switzerland), 2017, 9, 405.	2.7	31
129	Brief communication: Observations of a glacier outburst flood from Lhotse Glacier, Everest area, Nepal. <i>Cryosphere</i> , 2017, 11, 443-449.	3.9	37
130	Brief communication: Thinning of debris-covered and debris-free glaciers in a warming climate. <i>Cryosphere</i> , 2017, 11, 133-138.	3.9	44
131	Identification of Hazard and Risk for Glacial Lakes in the Nepal Himalaya Using Satellite Imagery from 2000â€“2015. <i>Remote Sensing</i> , 2017, 9, 654.	4.0	91
132	Monitoring tropical debris-covered glacier dynamics from high-resolution unmanned aerial vehicle photogrammetry, Cordillera Blanca, Peru. <i>Cryosphere</i> , 2017, 11, 2463-2480.	3.9	62
133	Integrated hazard assessment of Cirenmaco glacial lake in Zhangzangbo valley, Central Himalayas. <i>Geomorphology</i> , 2018, 306, 292-305.	2.6	63
134	Geospatial observations of topographical control over the glacier retreat, Miyar basin, Western Himalaya, India. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	31
135	Retreat rates of debris-covered and debris-free glaciers in the Koshi River Basin, central Himalayas, from 1975 to 2010. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	22
136	Evolution of high-Arctic glacial landforms during deglaciation. <i>Geomorphology</i> , 2018, 311, 63-75.	2.6	28
137	Early 21st century spatially detailed elevation changes of Jammu and Kashmir glaciers (Karakoramâ€“Himalaya). <i>Global and Planetary Change</i> , 2018, 165, 137-146.	3.5	38
138	Aspect controls the survival of ice cliffs on debris-covered glaciers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4369-4374.	7.1	33
139	Remote sensing and in situ-based assessment of rapidly growing South Lhonak glacial lake in eastern Himalaya, India. <i>Natural Hazards</i> , 2018, 93, 393-409.	3.4	33
140	Multidimensional stress test for hydropower investments facing climate, geophysical and financial uncertainty. <i>Global Environmental Change</i> , 2018, 48, 168-181.	7.8	55
141	Analysis of thickness changes and the associated driving factors on a debris-covered glacier in the Tianshan Mountain. <i>Remote Sensing of Environment</i> , 2018, 206, 63-71.	11.0	21
142	Review of the status and mass changes of Himalayan-Karakoram glaciers. <i>Journal of Glaciology</i> , 2018, 64, 61-74.	2.2	233
143	Heterogeneous decadal glacier downwasting at the Mt. Everest (Qomolangma) from 2000 to ~ 2012 based on multi-baseline bistatic SAR interferometry. <i>Remote Sensing of Environment</i> , 2018, 206, 336-349.	11.0	26
144	Debris thickness patterns on debris-covered glaciers. <i>Geomorphology</i> , 2018, 311, 1-12.	2.6	56

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145	Glacier mass balance in the Qinghai-Tibet Plateau and its surroundings from the mid-1970s to 2000 based on Hexagon KH-9 and SRTM DEMs. Remote Sensing of Environment, 2018, 210, 96-112.	11.0	147
146	Frontal recession of Parkachik Glacier between 1971-2015, Zaskar Himalaya using remote sensing and field data. Geocarto International, 2018, 33, 163-177.	3.5	27
147	Heterogeneous water storage and thermal regime of supraglacial ponds on debris-covered glaciers. Earth Surface Processes and Landforms, 2018, 43, 229-241.	2.5	27
148	Stability of supraglacial debris. Earth Surface Processes and Landforms, 2018, 43, 285-297.	2.5	25
149	Supraglacial Environments. , 2018, , 159-179.		6
150	The sustainability of water resources in High Mountain Asia in the context of recent and future glacier change. Geological Society Special Publication, 2018, 462, 189-204.	1.3	16
151	Directions and Avenues of Geotourism—With Particular View to Nepal. Springer Natural Hazards, 2018, , 229-250.	0.3	1
152	Glacial lake dynamics and lake surface temperature assessment along the Kangchengayo-Pauhunri Massif, Sikkim Himalaya, 1988-2014. Remote Sensing Applications: Society and Environment, 2018, 9, 26-41.	1.5	25
153	Ice cliff contribution to the tongue-wide ablation of Changri-Nup Glacier, Nepal, central Himalaya. Cryosphere, 2018, 12, 3439-3457.	3.9	96
154	Future Climate Change and Its Impact on Runoff Generation from the Debris-Covered Inylchek Glaciers, Central Tian Shan, Kyrgyzstan. Water (Switzerland), 2018, 10, 1513.	2.7	13
155	An insight into the surface velocity of Inylchek Glacier and its effect on Lake Merzbacher during 2006-2016 with Landsat time-series imagery. Environmental Earth Sciences, 2018, 77, 1.	2.7	6
156	Glacial and geomorphic effects of a supraglacial lake drainage and outburst event, Everest region, Nepal Himalaya. Cryosphere, 2018, 12, 3891-3905.	3.9	46
157	Glacial Lakes in the Nepal Himalaya: Inventory and Decadal Dynamics (1977-2017). Remote Sensing, 2018, 10, 1913.	4.0	59
158	Seasonal Variation of Drainage System in the Lower Ablation Area of a Monsoonal Temperate Debris-Covered Glacier in Mt. Gongga, South-Eastern Tibet. Water (Switzerland), 2018, 10, 1050.	2.7	9
159	Glacier Change, Supraglacial Debris Expansion and Glacial Lake Evolution in the Gyirong River Basin, Central Himalayas, between 1988 and 2015. Remote Sensing, 2018, 10, 986.	4.0	31
160	GLOFs in the WOS: bibliometrics, geographies and global trends of research on glacial lake outburst floods (Web of Science, 1979-2016). Natural Hazards and Earth System Sciences, 2018, 18, 813-827.	3.6	60
161	Optimising NDWI supraglacial pond classification on Himalayan debris-covered glaciers. Remote Sensing of Environment, 2018, 217, 414-425.	11.0	53
162	Surface Pond Energy Absorption Across Four Himalayan Glaciers Accounts for 1/8 of Total Catchment Ice Loss. Geophysical Research Letters, 2018, 45, 10464-10473.	4.0	61

#	ARTICLE	IF	CITATIONS
163	Heterogeneity in topographic control on velocities of Western Himalayan glaciers. Scientific Reports, 2018, 8, 12843.	3.3	35
164	Variations in near-surface debris temperature through the summer monsoon on Khumbu Glacier, Nepal Himalaya. Earth Surface Processes and Landforms, 2018, 43, 2698-2714.	2.5	7
165	Contrasting geometric and dynamic evolution of lake and land-terminating glaciers in the central Himalaya. Global and Planetary Change, 2018, 167, 46-60.	3.5	82
166	Role of supraglacial lakes in recession of Himalayan glaciers: A case study of Dudh Koshi basin, Nepal. Journal of Applied Geodesy, 2018, 12, 199-207.	1.1	2
167	Glacier recession and glacial lake outburst flood studies in Zaskar basin, western Himalaya. Journal of Hydrology, 2018, 564, 376-396.	5.4	51
168	Recent glacier mass balance and area changes in the Kangri Karpo Mountains from DEMs and glacier inventories. Cryosphere, 2018, 12, 103-121.	3.9	61
169	Modelling debris transport within glaciers by advection in a full-Stokes ice flow model. Cryosphere, 2018, 12, 189-204.	3.9	21
170	GIS for Glaciers and Glacial Landforms. , 2018, , 112-139.		5
171	Late Quaternary environmental dynamics in Lenin Peak area (Pamir Mountains, Kyrgyzstan). Science of the Total Environment, 2018, 645, 603-614.	8.0	4
172	Evolution of Glacial and High-Altitude Lakes in the Sikkim, Eastern Himalaya Over the Past Four Decades (1975â€“2017). Frontiers in Environmental Science, 2018, 6, .	3.3	75
173	Evolution and Controls of Large Glacial Lakes in the Nepal Himalaya. Remote Sensing, 2018, 10, 798.	4.0	81
174	Modeling the glacial lake outburst flood process chain in the Nepal Himalaya: reassessing Imja Tsho's hazard. Hydrology and Earth System Sciences, 2018, 22, 3721-3737.	4.9	41
175	Spatial Variability in Patterns of Glacier Change across the Manaslu Range, Central Himalaya. Frontiers in Earth Science, 2018, 6, .	1.8	32
176	Mountain glaciers under a changing climate. Geology Today, 2018, 34, 134-139.	0.9	2
177	Assessing controls on mass budget and surface velocity variations of glaciers in Western Himalaya. Scientific Reports, 2018, 8, 8885.	3.3	53
178	Unchanged surface morphology in debris-covered glaciers and rock glaciers in Tr��llaskagi peninsula (northern Iceland). Science of the Total Environment, 2019, 648, 218-235.	8.0	26
179	Rates of rockwall slope erosion in the upper Bhagirathi catchment, Garhwal Himalaya. Earth Surface Processes and Landforms, 2019, 44, 3108-3127.	2.5	7
180	Reconciling High Glacier Surface Melting in Summer with Air Temperature in the Semi-Arid Zone of Western Himalaya. Water (Switzerland), 2019, 11, 1561.	2.7	35

#	ARTICLE	IF	CITATIONS
181	Spatially Variable Glacier Changes in the Annapurna Conservation Area, Nepal, 2000 to 2016. Remote Sensing, 2019, 11, 1452.	4.0	9
182	On the strongly imbalanced state of glaciers in the Sikkim, eastern Himalaya, India. Science of the Total Environment, 2019, 691, 16-35.	8.0	42
183	Slow dynamics in debris-covered and rock glaciers in Hofsdalur, Tröllaskagi Peninsula (northern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	2.6	10
184	Unravelling the evolution of Zmuttgletscher and its debris cover since the end of the Little Ice Age. Cryosphere, 2019, 13, 1889-1909.	3.9	38
185	Review of moraine dam failure mechanism. Geomatics, Natural Hazards and Risk, 2019, 10, 1948-1966.	4.3	23
186	The State of Remote Sensing Capabilities of Cascading Hazards Over High Mountain Asia. Frontiers in Earth Science, 2019, 7, .	1.8	51
187	Spatiotemporal variation in surface velocity in Chandra basin glacier between 1999 and 2017 using Landsat-7 and Landsat-8 imagery. Geocarto International, 2021, 36, 1591-1611.	3.5	22
188	Quantification of different flow components in a high-altitude glacierized catchment (Dudh Koshi,) Tj ETQq1 1 0.784314 rgBT /Overlock 25	4.9	25
189	Past and Future Glacier Changes in the Indus River Basin. , 2019, , 85-97.		8
190	Acceleration of ice loss across the Himalayas over the past 40 years. Science Advances, 2019, 5, eaav7266.	10.3	339
191	Supraglacial ice cliffs and ponds on debris-covered glaciers: spatio-temporal distribution and characteristics. Journal of Glaciology, 2019, 65, 617-632.	2.2	44
192	Development of proglacial lakes and evaluation of related outburst susceptibility at the Adygine ice-debris complex, northern Tien Shan. Earth Surface Dynamics, 2019, 7, 301-320.	2.4	17
193	Glacier mass balance over the central Nyainqentanglha Range during recent decades derived from remote-sensing data. Journal of Glaciology, 2019, 65, 422-439.	2.2	36
194	Glacier Dynamics in Changme Khangpu Basin, Sikkim Himalaya, India, between 1975 and 2016. Geosciences (Switzerland), 2019, 9, 259.	2.2	27
195	Evolution of a debris-covered glacier in the western Himalaya during the last four decades (1971â€“2016): A multiparametric assessment using remote sensing and field observations. Geomorphology, 2019, 341, 1-14.	2.6	36
196	Development of Supraglacial Ponds in the Everest Region, Nepal, between 1989 and 2018. Remote Sensing, 2019, 11, 1058.	4.0	22
197	A rockfall-induced glacial lake outburst flood, Upper Barun Valley, Nepal. Landslides, 2019, 16, 533-549.	5.4	64
198	Hydrodynamic moraine-breach modeling and outburst flood routing - A hazard assessment of the South Lhonak lake, Sikkim. Science of the Total Environment, 2019, 668, 362-378.	8.0	45

#	ARTICLE	IF	CITATIONS
199	Flow Analysis at the Snow Covered High Altitude Catchment via Distributed Energy Balance Modeling. Scientific Reports, 2019, 9, 4783.	3.3	6
200	Surface and subsurface hydrology of debris-covered Khumbu Glacier, Nepal, revealed by dye tracing. Earth and Planetary Science Letters, 2019, 513, 176-186.	4.4	26
201	Heterogeneous Influence of Glacier Morphology on the Mass Balance Variability in High Mountain Asia. Journal of Geophysical Research F: Earth Surface, 2019, 124, 1331-1345.	2.8	112
202	Glacial lake evolution and glacier–lake interactions in the Poiqu River basin, central Himalaya, 1964–2017. Journal of Glaciology, 2019, 65, 347-365.	2.2	80
203	Shrinking Glaciers of the Himachal Himalaya: A Critical Review. , 2019, , 89-115.		4
205	Towards automated mapping and monitoring of potentially dangerous glacial lakes in Bhutan Himalaya using Sentinel-1 Synthetic Aperture Radar data. International Journal of Remote Sensing, 2019, 40, 4642-4667.	2.9	29
206	The Role of Debris Cover in Catchment Runoff: A Case Study of the Hailuoguo Catchment, South-Eastern Tibetan Plateau. Water (Switzerland), 2019, 11, 2601.	2.7	12
207	Glacial lakes exacerbate Himalayan glacier mass loss. Scientific Reports, 2019, 9, 18145.	3.3	130
208	Interannual variability in glacier contribution to runoff from a high–elevation Andean catchment: understanding the role of debris cover in glacier hydrology. Hydrological Processes, 2019, 33, 214-229.	2.6	34
209	Glacial Geomorphology and Landscape Evolution of the Thangu Valley, North Sikkim Himalaya, India. Journal of the Indian Society of Remote Sensing, 2019, 47, 821-837.	2.4	8
210	Status and Change of the Cryosphere in the Extended Hindu Kush Himalaya Region. , 2019, , 209-255.		139
211	Mapping of moraine dammed glacial lakes and assessment of their areal changes in the central and eastern Himalayas using satellite data. Journal of Mountain Science, 2019, 16, 77-94.	2.0	17
212	Geomorphological analysis on the interaction of Alpine glaciers and rock glaciers since the Little Ice Age. Land Degradation and Development, 2019, 30, 580-591.	3.9	18
213	Debris-Covered Glaciers. Geography of the Physical Environment, 2019, , 59-71.	0.4	5
214	Glacier and glacial lake classification for change detection studies using satellite data: a case study from Baspa basin, western Himalaya. Geocarto International, 2019, 34, 391-414.	3.5	22
215	Climate change drives glacier retreat in Bhaga basin located in Himachal Pradesh, India. Geocarto International, 2020, 35, 1179-1198.	3.5	21
216	Near surface air temperature lapse rates over complex terrain: a WRF based analysis of controlling factors and processes for the central Himalayas. Climate Dynamics, 2020, 54, 329-349.	3.8	10
217	Glacial changes in the Gangdisā Mountains from 1970 to 2016. Journal of Chinese Geography, 2020, 30, 131-144.	3.9	15

#	ARTICLE	IF	CITATIONS
218	Linking Mountain Glacier Retreat and Hydrological Changes in Southwestern Yukon. Water Resources Research, 2020, 56, e2019WR025706.	4.2	19
219	Hazard from Himalayan glacier lake outburst floods. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 907-912.	7.1	153
220	Manifestations and mechanisms of the Karakoram glacier Anomaly. Nature Geoscience, 2020, 13, 8-16.	12.9	186
221	Mass Loss From Calving in Himalayan Proglacial Lakes. Frontiers in Earth Science, 2020, 7, .	1.8	47
222	Review of snow cover variation over the Tibetan Plateau and its influence on the broad climate system. Earth-Science Reviews, 2020, 201, 103043.	9.1	162
223	Morphometric evolution of Everest region debris-covered glaciers. Geomorphology, 2020, 371, 107422.	2.6	17
224	Proglacial Lakes Control Glacier Geometry and Behavior During Recession. Geophysical Research Letters, 2020, 47, e2020GL088865.	4.0	45
225	Recessional pattern and surface elevation change of the Parvati Glacier, North-Western Himalaya (1965-2018) using remote sensing. International Journal of Remote Sensing, 2020, 41, 9360-9392.	2.9	6
226	Spatiotemporal variability of glacier changes and their controlling factors in the Kanchenjunga region, Himalaya based on multi-source remote sensing data from 1975 to 2015. Science of the Total Environment, 2020, 745, 140995.	8.0	23
227	Topographic control on the recession of the Kokthang glacier and its effect on proglacial lake dynamics. SN Applied Sciences, 2020, 2, 1.	2.9	0
228	The hazard assessment of glacial lake debris flow: A case study on Dongcuoqu, Luolong County, Tibet. IOP Conference Series: Earth and Environmental Science, 2020, 570, 042054.	0.3	3
229	Geomorphological evolution of a debrisâ€covered glacier surface. Earth Surface Processes and Landforms, 2020, 45, 3431-3448.	2.5	29
230	Investigating mass balance of Parvati glacier in Himalaya using satellite imagery based model. Scientific Reports, 2020, 10, 12211.	3.3	15
231	Upward Expansion of Supra-Glacial Debris Cover in the Hunza Valley, Karakoram, During 1990 âˆ¼ 2019. Frontiers in Earth Science, 2020, 8, .	1.8	27
232	The state of rock debris covering Earthâ€™s glaciers. Nature Geoscience, 2020, 13, 621-627.	12.9	118
233	Three-Dimensional Time Series Movement of the Cuolangma Glaciers, Southern Tibet with Sentinel-1 Imagery. Remote Sensing, 2020, 12, 3466.	4.0	11
234	Sub-alpine trees testify late 20th century rapid retreat of Gangotri glacier, Central Himalaya. Quaternary International, 2020, 565, 31-40.	1.5	4
235	The satellite observed glacier mass changes over the Upper Indus Basin during 2000â€2012. Scientific Reports, 2020, 10, 14285.	3.3	40

#	ARTICLE	IF	CITATIONS
236	Surging Dynamics of Glaciers in the Hunza Valley under an Equilibrium Mass State since 1990. Remote Sensing, 2020, 12, 2922.	4.0	19
237	Hydrology of debris-covered glaciers in High Mountain Asia. Earth-Science Reviews, 2020, 207, 103212.	9.1	37
238	Using 3D turbulence-resolving simulations to understand the impact of surface properties on the energy balance of a debris-covered glacier. Cryosphere, 2020, 14, 1611-1632.	3.9	11
239	Spatio-temporal changes in the six major glaciers of the Chitral River basin (Hindukush Region of) Tj ETQq1 1 0.784314 rgBT /Overl	2.0	11
240	Estimation of the recession rate of Gangotri glacier, Garhwal Himalaya (India) through kinematic GPS survey and satellite data. Environmental Earth Sciences, 2020, 79, 1.	2.7	10
241	Supra-glacial debris cover changes in the Greater Caucasus from 1986 to 2014. Cryosphere, 2020, 14, 585-598.	3.9	50
242	On the influence of debris cover on glacier morphology: How high-relief structures evolve from smooth surfaces. Geomorphology, 2020, 357, 107092.	2.6	37
243	Constraints on the timing of debris-covered and rock glaciers: An exploratory case study in the HÃ³lar area, northern Iceland. Geomorphology, 2020, 361, 107196.	2.6	23
244	Spatio-temporal trends in the surface ice velocities of the central Himalayan glaciers, India. Global and Planetary Change, 2020, 190, 103187.	3.5	44
245	Monitoring Supraglacial lakes Formation and Risk of Outburst Flooding in the Himalayan Cryosphere of Pakistan. Journal of Chitwan Medical College, 2020, 9, 52-67.	0.2	3
246	Spatio-temporal fluctuations over Chorabari glacier, Garhwal Himalaya, India between 1976 and 2017. Quaternary International, 2021, 575-576, 178-189.	1.5	7
247	Regional morphodynamics of supraglacial lakes in the Everest Himalaya. Science of the Total Environment, 2021, 751, 141586.	8.0	11
248	Morphology and evolution of supraglacial hummocks on debris-covered Himalayan glaciers. Earth Surface Processes and Landforms, 2021, 46, 525-539.	2.5	11
249	Recession of Gya Glacier and the 2014 glacial lake outburst flood in the Trans-Himalayan region of Ladakh, India. Science of the Total Environment, 2021, 756, 144008.	8.0	51
250	Rockwall Slope Erosion in the Northwestern Himalaya. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2020JF005619.	2.8	6
251	Mass balance and surface evolution of the debris-covered Miage Glacier, 1990-2018. Geomorphology, 2021, 373, 107474.	2.6	12
252	Glacier-Glacial Lake Interactions and Glacial Lake Development in the Central Himalaya, India (1994-2017). Journal of Earth Science (Wuhan, China), 2021, 32, 1563-1574.	3.2	26
253	Is ice in the Himalayas more resilient to climate change than we thought?. Geografiska Annaler, Series A: Physical Geography, 2021, 103, 1-7.	1.5	6

#	ARTICLE	IF	CITATIONS
254	Glaciers and climate change. , 2021, , 157-176.		11
255	Modeling of the Mass Balance of Glaciers with Debris Cover. Advances in Geographical and Environmental Sciences, 2021, , 191-212.	0.6	1
256	Modeling Surface Processes on Debris-Covered Glaciers: A Review with Reference to the High Mountain Asia. Water (Switzerland), 2021, 13, 101.	2.7	7
257	Inventory and GLOF hazard assessment of glacial lakes in the Sikkim Himalayas, India. Geocarto International, 2022, 37, 3840-3876.	3.5	9
258	Contextualizing lobate debris aprons and glacier-like forms on Mars with debris-covered glaciers on Earth. Progress in Physical Geography, 2021, 45, 130-186.	3.2	4
259	Future glacial lakes in High Mountain Asia: an inventory and assessment of hazard potential from surrounding slopes. Journal of Glaciology, 2021, 67, 653-670.	2.2	34
260	A Surging Glacier Recognized by Remote Sensing on the Zangser Kangri Ice Field, Central Tibetan Plateau. Remote Sensing, 2021, 13, 1220.	4.0	5
261	Multi-sensor remote sensing to map glacier debris cover in the Greater Caucasus, Georgia. Journal of Glaciology, 2021, 67, 685-696.	2.2	11
262	Distributed Global Debris Thickness Estimates Reveal Debris Significantly Impacts Glacier Mass Balance. Geophysical Research Letters, 2021, 48, e2020GL091311.	4.0	64
263	Climatic and tectonic significance of Taboche Lake, Khumbu Region, Nepal. IScience, 2021, 24, 102418.	4.1	2
264	Understanding Complex Debris-Covered Glaciers: Concepts, Issues, and Research Directions. Frontiers in Earth Science, 2021, 9, .	1.8	7
265	Spatio-Temporal Distribution of Supra-Glacial Ponds and Ice Cliffs on Verde Glacier, Chile. Frontiers in Earth Science, 2021, 9, .	1.8	2
266	Glaciohydrology of the Himalaya-Karakoram. Science, 2021, 373, .	12.6	90
267	Evolution of Surface Characteristics of Three Debris-Covered Glaciers in the Patagonian Andes From 1958 to 2020. Frontiers in Earth Science, 2021, 9, .	1.8	6
268	Distributed Melt on a Debris-Covered Glacier: Field Observations and Melt Modeling on the Lirung Glacier in the Himalaya. Frontiers in Earth Science, 2021, 9, .	1.8	14
269	Spatiotemporal supraglacial pond and ice cliff changes in the Bhutanâ€Tibet border region from 2016 to 2018. Journal of Glaciology, 2022, 68, 101-113.	2.2	8
270	Simultaneous drainage events from supraglacial lakes on the southern Inylchek Glacier, Central Asia. Journal of Glaciology, 0, , 1-12.	2.2	0
271	Stagnation of the Pensilungpa glacier, western Himalaya, India: causes and implications. Journal of Glaciology, 2022, 68, 221-235.	2.2	17

#	ARTICLE	IF	CITATIONS
272	Modelling steady states and the transient response of debris-covered glaciers. Cryosphere, 2021, 15, 3377-3399.	3.9	16
273	The Causes of Debris-Covered Glacier Thinning: Evidence for the Importance of Ice Dynamics From Kennicott Glacier, Alaska. Frontiers in Earth Science, 2021, 9, .	1.8	14
274	The Role of Differential Ablation and Dynamic Detachment in Driving Accelerating Mass Loss From a Debrisâ€Covered Himalayan Glacier. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2020JF005761.	2.8	15
275	Reason Analysis of the Jiwenco Glacial Lake Outburst Flood (GLOF) and Potential Hazard on the Qinghai-Tibetan Plateau. Remote Sensing, 2021, 13, 3114.	4.0	10
276	Co-production processes underpinning the ecosystem services of glaciers and adaptive management in the era of climate change. Ecosystem Services, 2021, 50, 101342.	5.4	14
277	High-altitude meteorology of Indian Himalayan Region: complexities, effects, and resolutions. Environmental Monitoring and Assessment, 2021, 193, 654.	2.7	8
278	Surface composition of debris-covered glaciers across the Himalaya using linear spectral unmixing of Landsat 8 OLI imagery. Cryosphere, 2021, 15, 4557-4588.	3.9	9
279	Structures and Deformation in Glaciers and Ice Sheets. Reviews of Geophysics, 2021, 59, e2021RG000743.	23.0	36
280	Modeling the feedbacks between surface ablation and morphological variations on debris-covered Baltoro Glacier in the central Karakoram. Geomorphology, 2021, 389, 107840.	2.6	1
281	Interannual Dynamics of Ice Cliff Populations on Debrisâ€Covered Glaciers From Remote Sensing Observations and Stochastic Modeling. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2021JF006179.	2.8	13
282	Mass balance and morphological changes of Dokriani Glacier (1992â€2013), Garhwal Himalaya, India. Quaternary Science Advances, 2021, 4, 100033.	1.9	17
283	Spatio-temporal changes in the Machoi glacier Zaskar Himalaya India using geospatial technology. Quaternary Science Advances, 2021, 4, 100031.	1.9	15
284	Mass balance and morphological evolution of the Dokriani Glacier, central Himalaya, India during 1999â€2014. Geoscience Frontiers, 2022, 13, 101290.	8.4	10
285	Spatial analysis of supraglacial debris cover in Svalbard, Arctic Regionâ€a decadal study. Environmental Science and Pollution Research, 2021, 28, 22823-22831.	5.3	3
286	Climate change and melting glaciers. , 2021, , 53-84.		4
287	Anthropogenic Geomorphic Change in Mountains. , 2021, , 240-240.		0
288	Evolution of debris cover on glaciers of the Eastern Alps, Austria, between 1996 and 2015. Earth Surface Processes and Landforms, 2021, 46, 1673-1691.	2.5	15
289	Debris cover and the thinning of Kennicott Glacier, Alaska: in situ measurements, automated ice cliff delineation and distributed melt estimates. Cryosphere, 2021, 15, 265-282.	3.9	31

#	ARTICLE	IF	CITATIONS
290	The Need for Community Involvement in Glacial Lake Field Research: The Case of Imja Glacial Lake, Khumbu, Nepal Himalaya. , 2016, , 235-250.		6
291	Heterogeneity in Fluctuations of Glacier with Clean Ice-Covered, Debris-Covered and Proglacial Lake in the Upper Ravi Basin, Himachal Himalaya (India), During the Past Four Decades (1971â€“2013). , 2016, , 155-179.		3
292	Numerical Modeling Issues for Understanding Complex Debris-Covered Glaciers. , 2020, , .		2
293	Issues in Climate Analysis and Modeling for Understanding Mountain Erosion Dynamics. , 2022, , 121-140.		6
294	Machine-learning classification of debris-covered glaciers using a combination of Sentinel-1/-2 (SAR/optical), Landsat 8 (thermal) and digital elevation data. Geomorphology, 2020, 369, 107365.	2.6	31
295	Seasonally stable temperature gradients through supraglacial debris in the Everest region of Nepal, Central Himalaya. Journal of Glaciology, 2021, 67, 170-181.	2.2	14
296	An imbalancing act: the delayed dynamic response of the Kaskawulsh Glacier to sustained mass loss. Journal of Glaciology, 2021, 67, 313-330.	2.2	5
297	Spatiotemporal variability of surface velocities of monsoon temperate glaciers in the Kangri Karpo Mountains, southeastern Tibetan Plateau. Journal of Glaciology, 2021, 67, 186-191.	2.2	7
298	Field Study of Mass Balance, and Hydrology of the West Khangri Nup Glacier (Khumbu, Everest). Water (Switzerland), 2020, 12, 433.	2.7	3
299	GERALDINE (Google Earth Engine supRaglAciaL Debris INput dEtector): a new tool for identifying and monitoring supraglacial landslide inputs. Earth Surface Dynamics, 2020, 8, 1053-1065.	2.4	8
301	Modelling the evolution of Djankuat Glacier, North Caucasus, from 1752 until 2100â€‰CE. Cryosphere, 2020, 14, 4039-4061.	3.9	8
311	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.	5.4	8
316	ASSESSING THE RISK OF GLACIAL OUTBURST FLOODS FROM EMMONS GLACIER, MT. RAINIER, WASHINGTON. , 2017, , .		0
317	Areas of glaciers and glacial lakes in northeastern Nepal studied with Landsat imagery between 1992 and 2015. , 2018, , .		0
318	Glacial lake variation and hazard assessment of glacial lakes outburst in the Parlung Zangbo River Basin. Hupo Kexue/Journal of Lake Sciences, 2019, 31, 1132-1143.	0.8	5
319	Mapping the Late-Holocene Glacial Geomorphology and Glacier Surface Types in the Mt. Harajoriha, Central Tian Shan. International Journal of Geosciences, 2019, 10, 669-688.	0.6	1
320	Sensitivity of Glaciers in Part of the Suru Basin, Western Himalaya to Ongoing Climatic Perturbations. , 2020, , 351-377.		6
321	Impacts of Climate Change on Himalayan Glaciers: Processes, Predictions and Uncertainties. , 2020, , 331-349.		1

#	ARTICLE	IF	CITATIONS
322	Migrating boulders on the surface of Alpine valley glaciers. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2021, 103, 151-166.	1.5	2
323	The New Swiss Glacier Inventory SGI2016: From a Topographical to a Glaciological Dataset. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	30
324	Source characterization of suspended sediments transported from debris-covered Chorabari Glacier in Central Himalaya, India. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	1
325	Environmental and Socio-Economic Consequences of Recent Mountain Glacier Fluctuations in Norway. <i>Sustainable Development Goals Series</i> , 2022, , 289-314.	0.4	2
326	Debris-covered glacier systems and associated glacial lake outburst flood hazards: challenges and prospects. <i>Journal of the Geological Society</i> , 2022, 179, .	2.1	18
327	Integrating historical, geomorphological and sedimentological insights to reconstruct past floods: Insights from Kea Point, Mt. Cook Village, Aotearoa New Zealand. <i>Geomorphology</i> , 2022, 398, 108028.	2.6	3
328	Evaluation of Glacial Lakes and Catastrophic Floods on the Northern Slopes of the Kyrgyz Range. <i>Mountain Research and Development</i> , 2020, 40, .	1.0	4
329	Updated Glacial Lake Inventory of Indus River Basin based on High-Resolution Indian Remote Sensing Satellite Data. <i>Journal of the Indian Society of Remote Sensing</i> , 2022, 50, 73-98.	2.4	2
330	A Robust Glacial Lake Outburst Hazard Assessment System Validated by GLOF Event in 2020 in the Nidun Zangbo Basin, Tibetan Plateau. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
331	Subglacial lakes and their changing role in a warming climate. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 106-124.	29.7	54
332	Analysis of Regional Changes in Geodetic Mass Balance for All Caucasus Glaciers over the Past Two Decades. <i>Atmosphere</i> , 2022, 13, 256.	2.3	8
333	Glacier change in China over past decades: Spatiotemporal patterns and influencing factors. <i>Earth-Science Reviews</i> , 2022, 226, 103926.	9.1	40
334	An optimized volume of fluid method for modelling three-dimensional debris flows. Implementation in OpenFOAM, validation, and application in the Aiwa Watershed, Beijing. <i>Computers and Geotechnics</i> , 2022, 144, 104651.	4.7	8
335	Contrasting surface velocities between lake- and land-terminating glaciers in the Himalayan region. <i>Cryosphere</i> , 2021, 15, 5577-5599.	3.9	28
336	Climate-Induced Glacier Retreats and Associated Hazards: Need for Robust Glaciers and Glacial Lake Management Policy in Sikkim Himalaya, India. <i>Springer Climate</i> , 2022, , 161-182.	0.6	2
337	Dulung Proglacial Lake, Suru Sub-Basin, Western Himalaya: Evolution, Controls and Impacts on Glacier Stability. <i>Frontiers in Environmental Science</i> , 2022, 10, .	3.3	5
338	Glacial lake formation probability mapping in the Himalayan glacier: A probabilistic approach. <i>Journal of Earth System Science</i> , 2022, 131, 1.	1.3	3
339	Manifestation of topography and climate variations on long-term glacier changes in the Alaknanda Basin of Central Himalaya, India. <i>Geocarto International</i> , 2022, 37, 11010-11029.	3.5	4

#	ARTICLE	IF	CITATIONS
340	Moraine-dammed glacial lakes and threat of glacial debris flows in South-East Kazakhstan. <i>Earth-Science Reviews</i> , 2022, 229, 103999.	9.1	13
341	Evaluation of the Influence of Processing Parameters in Structure-from-Motion Software on the Quality of Digital Elevation Models and Orthomosaics in the Context of Studies on Earth Surface Dynamics. <i>Remote Sensing</i> , 2022, 14, 1312.	4.0	7
342	Projected 21st-Century Glacial Lake Evolution in High Mountain Asia. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	12
343	Impact of Elevation-Dependent Warming on Runoff Changes in the Headwater Region of Urumqi River Basin. <i>Remote Sensing</i> , 2022, 14, 1780.	4.0	6
344	Geospatial technology-based monitoring of HAGL in the context of flash flood: A case study of Rishi Ganga Basin, India. <i>Geosystems and Geoenvironment</i> , 2022, 1, 100049.	3.2	9
345	Influence of Supraglacial Debris Thickness on Thermal Resistance of the Glaciers of Chandra Basin, Western Himalaya. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	3
346	Seasonal Evolution of Supraglacial Lakes on Baltoro Glacier From 2016 to 2020. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	5
347	The Challenge of Non-Stationary Feedbacks in Modeling the Response of Debris-Covered Glaciers to Climate Forcing. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	6
348	Seasonal ice dynamics in the lower ablation zone of Dagongba Glacier, southeastern Tibetan Plateau, from multitemporal UAV images. <i>Journal of Glaciology</i> , 2022, 68, 636-650.	2.2	6
349	Temporal evolution of headwall erosion rates derived from cosmogenic nuclide concentrations in the medial moraines of Glacier d'Otemma, Switzerland. <i>Earth Surface Processes and Landforms</i> , 2022, 47, 2437-2454.	2.5	3
350	Ice Dynamics and Morphological Changes During Proglacial Lake Development at Exploradores Glacier, Patagonia. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	0
351	Recent Evolution of Glaciers in the Manaslu Region of Nepal From Satellite Imagery and UAV Data (1970â€“2019). <i>Frontiers in Earth Science</i> , 2022, 9, .	1.8	8
352	Earth Observation to Investigate Occurrence, Characteristics and Changes of Glaciers, Glacial Lakes and Rock Glaciers in the Poiqu River Basin (Central Himalaya). <i>Remote Sensing</i> , 2022, 14, 1927.	4.0	8
359	Controls on the relative melt rates of debris-covered glacier surfaces. <i>Environmental Research Letters</i> , 2022, 17, 064004.	5.2	12
360	Spatial variability between glacier mass balance and environmental factors in the High Mountain Asia. <i>Journal of Arid Land</i> , 2022, 14, 441-454.	2.3	5
361	Three Recent and Lesser-Known Glacier-Related Flood Mechanisms in High Mountain Environments. <i>Mountain Research and Development</i> , 2022, 42, .	1.0	4
362	Modelling supraglacial debris-cover evolution from the single-glacier to the regional scale: an application to High Mountain Asia. <i>Cryosphere</i> , 2022, 16, 1697-1718.	3.9	10
363	A comprehensive and quantitative assessment of Raunthi Gad flash flood, Rishi Ganga catchment, central Himalaya, Uttarakhand, India. <i>Natural Hazards</i> , 2022, 114, 157-181.	3.4	5

#	ARTICLE	IF	CITATIONS
364	Temperature and ice form effects on mechanical behaviors of ice-rich moraine soil of Tianmo valley nearby the Sichuan-Tibet Railway. <i>Engineering Geology</i> , 2022, 305, 106713.	6.3	11
365	Glacierâ€“permafrost relations in a high-mountain environment: 5 decades of kinematic monitoring at the Gruben site, Swiss Alps. <i>Cryosphere</i> , 2022, 16, 2083-2101.	3.9	6
366	Deep learning-based framework for monitoring of debris-covered glacier from remotely sensed images. <i>Advances in Space Research</i> , 2022, , .	2.6	2
367	High Mountain Asia hydropower systems threatened by climate-driven landscape instability. <i>Nature Geoscience</i> , 2022, 15, 520-530.	12.9	73
368	Accelerated Shrinkage of Glaciers in the Altai Mountains From 2000 to 2020. <i>Frontiers in Earth Science</i> , 0, 10, .	1.8	6
369	Land- to lake-terminating transition triggers dynamic thinning of a Bhutanese glacier. <i>Cryosphere</i> , 2022, 16, 2643-2654.	3.9	8
370	Chemometric approach to evaluate the chemical behavior of rainwater at high altitude in Shaune Garang catchment, Western Himalaya. <i>Scientific Reports</i> , 2022, 12, .	3.3	5
371	Future growth and decline of high mountain Asia's ice-dammed lakes and associated risk. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	15
372	Spatio-temporal variations of geo-climatic environment in a high-altitude landscape of Central Himalaya: An assessment from the perspective of vulnerability of glacial lakes. <i>Natural Hazards Research</i> , 2022, 2, 343-362.	3.8	5
373	Debris Cover Limits Subglacial Erosion and Promotes Till Accumulation. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	4
374	A Model between Near-Surface Air Temperature Change and Dynamic Influencing Factors in the Eastern Tibetan Plateau, China. <i>Sensors</i> , 2022, 22, 6196.	3.8	0
375	Glacial Debris Flow Blockage Event (2018) in the Sedongpu Basin of the Yarlung Zangbo River, China: Occurrence Factors and Its Implications. <i>Land</i> , 2022, 11, 1217.	2.9	1
376	Beâ€“10 Dating of Iceâ€“Marginal Moraines in the Khumbu Valley, Nepal, Central Himalaya, Reveals the Response of Monsoonâ€“Influenced Glaciers to Holocene Climate Change. <i>Journal of Geophysical Research F: Earth Surface</i> , 2022, 127, .	2.8	2
377	Monitoring glacier thinning rate in Rongbuk Catchment on the northern slope of Mt. Qomolangma from 1974 to 2021. <i>Ecological Indicators</i> , 2022, 144, 109418.	6.3	2
378	Application of Mike 11 for One-Dimensional GLOF Modeling of a Rapidly Expanding Dalung Proglacial Lake, Indus River Basin, Western Himalaya. <i>Springer Natural Hazards</i> , 2022, , 147-161.	0.3	0
379	Annual variation of Glacier Boundaries in Geladandong Glacier and its Elevation Dependence. , 2022, , .		0
380	Glacier retreat analysis in the context of climate change impact over the Satopanth (SPG) and Bhagirathi-Kharak (BKG) glaciers in the Mana basin of the Central Himalaya, India: A geospatial approach. <i>Geosystems and Geoenvironment</i> , 2023, 2, 100128.	3.2	6
381	Remoteâ€“sensingâ€“based monitoring the dynamics of Kyagar Glacial Lake in the upstream of Yarkant River, north Karakoram. <i>Land Degradation and Development</i> , 0, , .	3.9	0

#	ARTICLE	IF	CITATIONS
382	Comprehensive interpretation of the Sedongpu glacier-related mass flows in the eastern Himalayan syntaxis. <i>Journal of Mountain Science</i> , 2022, 19, 2469-2486.	2.0	2
383	Controls on Alpine Lake Dynamics, Tien Shan, Central Asia. <i>Remote Sensing</i> , 2022, 14, 4698.	4.0	2
385	Estimating glacier mass balance in High Mountain Asia based on Moderate Resolution Imaging Spectroradiometer retrieved surface albedo from 2000 to 2020. <i>International Journal of Climatology</i> , 2022, 42, 9931-9949.	3.5	4
386	GLOF Early Warning System: Computational challenges and solutions. <i>Current Directions in Water Scarcity Research</i> , 2022, , 641-662.	0.6	1
387	Genesis and Spatio-Temporal Analysis of Glacial Lakes in the Peri-Glacial Environment of Western Himalayas. <i>International Journal of Engineering and Geosciences</i> , 0, , .	3.2	0
388	Climate change traces on Lhonak Glacier using geospatial tools. <i>Quaternary Science Advances</i> , 2022, 8, 100065.	1.9	6
389	Spatially heterogeneous glacier elevation change in the Jankar Chhu Watershed, Lahaul Himalaya, India derived using ASTER DEMs. <i>Geocarto International</i> , 2024, 37, 17799-17825.	3.5	4
390	Assessment of climate change impacts on glacio-hydrological processes and their variations within critical zone. <i>Natural Hazards</i> , 2023, 115, 2721-2748.	3.4	4
391	Spatial pattern of the debris-cover effect and its role in the Hindu Kush-Pamir-Karakoram-Himalaya glaciers. <i>Journal of Hydrology</i> , 2022, 615, 128613.	5.4	4
392	A robust glacial lake outburst susceptibility assessment approach validated by GLOF event in 2020 in the Nidu Zangbo Basin, Tibetan Plateau. <i>Catena</i> , 2023, 220, 106734.	5.0	5
393	Glacial lake outburst floods (GLOFs) and the requisite of wireless sensor based early warning system. <i>AIP Conference Proceedings</i> , 2022, , .	0.4	1
394	Supraglacial debris thickness and supply rate in High-Mountain Asia. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	9
395	Glacial lake outburst flood hazard under current and future conditions: worst-case scenarios in a transboundary Himalayan basin. <i>Natural Hazards and Earth System Sciences</i> , 2022, 22, 3765-3785.	3.6	10
396	The Effect of Suspended Particulate Matter on the Supraglacial Lake Depth Retrieval from Optical Data. <i>Remote Sensing</i> , 2022, 14, 5988.	4.0	1
397	Glacier inventory and glacier changes (1994–2020) in the Upper Alaknanda Basin, Central Himalaya. <i>Journal of Glaciology</i> , 2023, 69, 591-606.	2.2	3
398	Dynamic Changes of a Thick Debris-Covered Glacier in the Southeastern Tibetan Plateau. <i>Remote Sensing</i> , 2023, 15, 357.	4.0	4
399	Heterogeneity in Glacier Area Loss in Response to Climate Change in Selected Basins of Western Himalaya. <i>Society of Earth Scientists Series</i> , 2022, , 137-174.	0.3	1
400	Global glacier change in the 21st century: Every increase in temperature matters. <i>Science</i> , 2023, 379, 78-83.	12.6	90

#	ARTICLE	IF	CITATIONS
401	The Spatio-Temporal Patterns of Glacier Activities in the Eastern Pamir Plateau Investigated by Time Series Sub-Pixel Offsets From Sentinel-2 Optical Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 1256-1268.	4.9	1
402	Assessing glacial lake outburst flood potential using geospatial techniques: a case study of western part of Gilgit-Baltistan, Pakistan. Arabian Journal of Geosciences, 2023, 16, .	1.3	0
404	Subglacial catastrophic-flood origin of linear and curvilinear flat-rimmed pit chains on Mars: Evidence from geomorphological mapping and detailed landsystem analysis. Icarus, 2023, 395, 115439.	2.5	0
405	Heterogeneity in glacier thinning and slowdown of ice movement in the Garhwal Himalaya, India. Science of the Total Environment, 2023, 875, 162625.	8.0	10
406	Spatial variability in melting on Himalayan debris-covered glaciers from 2000 to 2013. Remote Sensing of Environment, 2023, 291, 113560.	11.0	12
407	Landsystem analysis of a tropical moraine-dammed supraglacial lake, Llaca Lake, Cordillera Blanca, PerÃ. Boreas, 2023, 52, 272-293.	2.4	1
408	Glacial lake outburst floods threaten millions globally. Nature Communications, 2023, 14, .	12.8	46
409	On periodic growth and shrinkage of glaciers in the Warwan sub-basin, western Himalaya, between 1990 and 2020. Environmental Monitoring and Assessment, 2023, 195, .	2.7	1
410	High-resolution debris-cover mapping using UAV-derived thermal imagery: limits and opportunities. Cryosphere, 2023, 17, 1165-1184.	3.9	2
411	Glacier structure influence on Himalayan ice-front morphology. Earth Surface Processes and Landforms, 2023, 48, 1679-1700.	2.5	0
412	Controls on Ice Cliff Distribution and Characteristics on Debris-Covered Glaciers. Geophysical Research Letters, 2023, 50, .	4.0	3
413	Impacts of climate change on glacial retreat during 1990-2021 in the Chinese Altay Mountains. Catena, 2023, 228, 107156.	5.0	1
414	Delineation Evaluation and Variation of Debris-Covered Glaciers Based on the Multi-Source Remote Sensing Images, Take Glaciers in the Eastern Tomur Peak Region for Example. Remote Sensing, 2023, 15, 2575.	4.0	1
415	Steep ice - progress and future challenges in research on ice cliffs. Annals of Glaciology, 2022, 63, 132-136.	1.4	0
416	Spatiotemporal analysis of Imja Lake to estimate the downstream flood hazard using the SHIVEK approach. Acta Geophysica, 2023, 71, 2233-2244.	2.0	3
417	The impact of warming climate on Himalayan silver fir growth along an elevation gradient in the Mt. Everest region. Agricultural and Forest Meteorology, 2023, 339, 109575.	4.8	5
419	Carbon flux in supraglacial debris over two ablation seasons at Miage Glacier, Mont Blanc massif, European Alps. Frontiers in Earth Science, 0, 11, .	1.8	0
420	Provenance and transport of supraglacial debris revealed by variations in debris geochemistry on Khumbu Glacier, Nepal Himalaya. Earth Surface Processes and Landforms, 2023, 48, 2737-2753.	2.5	0

#	ARTICLE	IF	CITATIONS
422	Long-term analysis of glaciers and glacier lakes in the Central and Eastern Himalaya. <i>Science of the Total Environment</i> , 2023, 898, 165598.	8.0	2
424	Analyzing geomorphological and topographical controls for the heterogeneous glacier mass balance in the Sikkim Himalayas. <i>Journal of Mountain Science</i> , 2023, 20, 1854-1864.	2.0	2
425	UAS remote sensing applications to abrupt cold region hazards. <i>Frontiers in Remote Sensing</i> , 0, 4, .	3.5	0
426	A Review of Karakoram Glacier Anomalies in High Mountains Asia. <i>Water (Switzerland)</i> , 2023, 15, 3215.	2.7	2
427	Englacial Drainage Drives Positive Feedback Depression Growth on the Debrisâ€Covered Ngozumpa Glacier, Nepal. <i>Geophysical Research Letters</i> , 2023, 50, .	4.0	0
428	Extreme seasonal water-level changes and hydraulic modeling of deep, high-altitude, glacial-carved, Himalayan lakes. <i>Scientific Reports</i> , 2023, 13, .	3.3	0
429	Quantification of shortâ€term transformations of proglacial landforms in a temperate, debrisâ€charged glacial landsystem, KvÃ¡rjÃ¶kull, Iceland. <i>Land Degradation and Development</i> , 2023, 34, 5566-5590.	3.9	2
430	Influence of climate and non-climatic attributes on declining glacier mass budget and surging in Alaknanda Basin and its surroundings. <i>Global and Planetary Change</i> , 2023, 230, 104260.	3.5	0
431	Supraglacial geomorphology of Companion Glacier, central Himalaya: evolution, controls and consequences. <i>Frontiers in Earth Science</i> , 0, 11, .	1.8	1
432	Analysis of Glacier Area Variations in Geladandong Region from 1999 to 2020. , 2023, , .		0
433	Debris cover effect on the evolution of Northern Caucasus glaciers in the 21st century. <i>Frontiers in Earth Science</i> , 0, 11, .	1.8	0
434	Three decades of glacial lake research: a bibliometric and visual analysis of glacial lake identification. <i>Frontiers in Ecology and Evolution</i> , 0, 11, .	2.2	1
435	Assessing the state, parameter-interlinkages and dynamic shift of glaciers in the western Himalaya. <i>Cold Regions Science and Technology</i> , 2024, 217, 104052.	3.5	0
436	Evolution of Supraglacial Lakes from 1990 to 2020 in the Himalayaâ€Karakoram Region Using Cloud-Based Google Earth Engine Platform. <i>Journal of the Indian Society of Remote Sensing</i> , 2023, 51, 2379-2390.	2.4	2
437	Divergent glacier area and elevation changes across the Tibetan Plateau in the early 21st century. <i>Anthropocene</i> , 2023, 44, 100419.	3.3	0
438	The Cryosphere. , 2023, , 113-128.		0
439	Geyik DaÃŸ± GÃ¼ncel BuzullarÃ± ve Morfometrik Ã–zelikleri. TÃ¼rk CoÃŸrafya Dergisi, 0, , .	0.7	0
441	Investigating the past, present and future responses of Shallap and Zongo Glaciers, Tropical Andes, to the El NiÃ±o Southern Oscillation. <i>Journal of Glaciology</i> , 0, , 1-21.	2.2	0

#	ARTICLE	IF	CITATIONS
442	Analysis of the temporal variations in glaciers’s surface area in Alaknanda River Basin, Uttarakhand. Journal of Water and Climate Change, 2024, 15, 814-831.	2.9	0
443	Multidecadal Changes in the Flow Velocity and Mass Balance of the Hailuoguo Glacier in Mount Gongga, Southeastern Tibetan Plateau. Remote Sensing, 2024, 16, 571.	4.0	0
444	Seasonal to decadal dynamics of supraglacial lakes on debris-covered glaciers in the Khumbu region, Nepal. Cryosphere, 2024, 18, 525-541.	3.9	0
445	Relationship between the variations in glacier features classified on a large scale with climate variables: a case study of Gangotri Glacier. Environmental Monitoring and Assessment, 2024, 196, .	2.7	0
446	Glaciolacustrine. , 2024, , .		0
447	Comprehensive analysis of glacier recession (2000–2020) in the Nun-Kun Group of Glaciers, Northwestern Himalaya. Journal of Mountain Science, 2024, 21, 768-785.	2.0	0
448	Annual velocities of the ablation zone of Panchi Nala Glacier, western Himalaya: Trends and controlling factors. Polar Science, 2024, , 101068.	1.2	0
449	Surface facies analysis of the Gangotri and neighbouring glaciers, central Himalaya. Science of Remote Sensing, 2024, 9, 100128.	4.8	0