Toward a complete Himalayan hydrological budget: Spa snowmelt and rainfall and their impact on river dischar

Journal of Geophysical Research 115,

DOI: 10.1029/2009jf001426

Citation Report

#	Article	IF	CITATIONS
1	Internal Reflecting Horizons in Spitsbergen Glaciers. Annals of Glaciology, 1987, 9, 5-10.	2.8	28
2	Kinematic implications of consequent channels on growing folds. Journal of Geophysical Research, 2011, 116, .	3.3	8
3	Hillslopeâ€glacier coupling: The interplay of topography and glacial dynamics in High Asia. Journal of Geophysical Research, 2011, 116, .	3.3	117
4	Neogene to Quaternary broken foreland formation and sedimentation dynamics in the Andes of NW Argentina (25 \hat{A}° S). Tectonics, 2011, 30, .	1.3	86
5	Evaluation of precipitation data sets along the Himalayan front. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a - n/a .	1.0	187
6	Exhumational variability within the Himalaya of northwest India. Earth and Planetary Science Letters, 2011, 305, 103-114.	1.8	62
7	Prediction of future hydrological regimes in poorly gauged high altitude basins: the case study of the upper Indus, Pakistan. Hydrology and Earth System Sciences, 2011, 15, 2059-2075.	1.9	95
9	Melting of Major Glaciers in Himalayas: Role of Desert Dust and Anthropogenic Aerosols. , 0, , .		1
10	Snow cover dynamics and hydrological regime of the Hunza River basin, Karakoram Range, Northern Pakistan. Hydrology and Earth System Sciences, 2011, 15, 2275-2290.	1.9	145
11	Spatially variable response of Himalayan glaciers to climate change affected by debris cover. Nature Geoscience, 2011, 4, 156-159.	5.4	812
12	Modeling snowmelt-runoff under climate scenarios in the Hunza River basin, Karakoram Range, Northern Pakistan. Journal of Hydrology, 2011, 409, 104-117.	2.3	213
13	Modeling the Spatial Distribution of Snow Cover in the Dudhkoshi Region of the Nepal Himalayas. Journal of Hydrometeorology, 2012, 13, 204-222.	0.7	54
14	Fluvial landscapes of the Harappan civilization. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1688-94.	3.3	239
15	Large surface velocity fluctuations of Biafo Glacier, central Karakoram, at high spatial and temporal resolution from optical satellite images. Journal of Glaciology, 2012, 58, 569-580.	1.1	53
16	Spatiotemporal variation of rainfall over the central Himalayan region revealed by TRMM Precipitation Radar. Journal of Geophysical Research, 2012, 117, .	3.3	109
17	Analysis of spatial and temporal extreme monsoonal rainfall over South Asia using complex networks. Climate Dynamics, 2012, 39, 971-987.	1.7	220
18	On the link between extreme floods and excess monsoon epochs in South Asia. Climate Dynamics, 2012, 39, 1107-1122.	1.7	34
19	Expression of active tectonics in erosional landscapes. Journal of Structural Geology, 2012, 44, 54-75.	1.0	761

#	Article	IF	Citations
20	Climate Change Impacts on Glacier Hydrology and River Discharge in the Hindu Kush–Himalayas. Mountain Research and Development, 2012, 32, 461-467.	0.4	116
21	Spatiotemporal distribution of snow in eastern Tibet and the response to climate change. Remote Sensing of Environment, 2012, 121, 1-9.	4.6	80
22	Connecting source and transport: Suspended sediments in the Nepal Himalayas. Earth and Planetary Science Letters, 2012, 351-352, 158-170.	1.8	70
23	A rapidly growing moraine-dammed glacial lake on Ngozumpa Glacier, Nepal. Geomorphology, 2012, 145-146, 1-11.	1.1	75
24	Contrasting patterns of early twenty-first-century glacier mass change in the Himalayas. Nature, 2012, 488, 495-498.	13.7	951
25	Impact of glacial erosion on $\langle \sup 10 \rangle = 0$ concentrations in fluvial sediments of the Marsyandi catchment, central Nepal. Journal of Geophysical Research, 2012, 117, .	3.3	51
26	Role of snow and glacier melt in controlling river hydrology in Liddar watershed (western Himalaya) under current and future climate. Water Resources Research, 2012, 48, .	1.7	119
27	Spatial patterns of soil $\langle i\rangle n < i\rangle \hat{a} \in \mathbb{R}$ kane $\langle i\rangle \hat{l}' < i\rangle D$ values on the Tibetan Plateau: Implications for monsoon boundaries and paleoelevation reconstructions. Journal of Geophysical Research, 2012, 117, .	3.3	19
28	Sediment transfer and the hydrological cycle of Himalayan rivers in Nepal. Comptes Rendus - Geoscience, 2012, 344, 627-635.	0.4	27
29	Modern climate and erosion in the Himalaya. Comptes Rendus - Geoscience, 2012, 344, 610-626.	0.4	64
30	Characterizing spatial patterns of precipitation based on corrected TRMM 3B43 data over the mid Tianshan Mountains of China. Journal of Mountain Science, 2012, 9, 628-645.	0.8	38
31	Impact of transient groundwater storage on the discharge of Himalayan rivers. Nature Geoscience, 2012, 5, 127-132.	5.4	242
32	Climatic and geologic controls on suspended sediment flux in the Sutlej River Valley, western Himalaya. Hydrology and Earth System Sciences, 2012, 16, 2193-2217.	1.9	72
33	The Indus basin in the framework of current and future water resources management. Hydrology and Earth System Sciences, 2012, 16, 1063-1083.	1.9	166
34	The State and Fate of Himalayan Glaciers. Science, 2012, 336, 310-314.	6.0	1,633
35	Snowmelt runoff modeling: Limitations and potential for mitigating water disputes. Journal of Hydrology, 2012, 430-431, 179-181.	2.3	6
36	A modified monthly degreeâ€day model for evaluating glacier runoff changes in China. Part I: model development. Hydrological Processes, 2012, 26, 1686-1696.	1.1	36
37	5.15 The Influence of Middle and Lower Crustal Flow on the Landscape Evolution of Orogenic Plateaus: Insights from the Himalaya and Tibet. , 2013, , 350-369.		3

3

#	Article	IF	Citations
38	Tectonic and climatic forcing on the Panj river system during the Quaternary. International Journal of Earth Sciences, 2013, 102, 1985-2003.	0.9	23
39	Distributed deformation around the eastern tip of the Kunlun fault. International Journal of Earth Sciences, 2013, 102, 1759-1772.	0.9	39
40	Statistical and hydrological evaluation of TRMM-based Multi-satellite Precipitation Analysis over the Wangchu Basin of Bhutan: Are the latest satellite precipitation products 3B42V7 ready for use in ungauged basins?. Journal of Hydrology, 2013, 499, 91-99.	2.3	291
41	Channel planform geometry and slopes from freely available high-spatial resolution imagery and DEM fusion: Implications for channel width scalings, erosion proxies, and fluvial signatures in tectonically active landscapes. Geomorphology, 2013, 194, 46-56.	1.1	103
42	Recent (1980–2009) evidence of climate change in the upper Karakoram, Pakistan. Theoretical and Applied Climatology, 2013, 113, 611-641.	1.3	93
43	Snowmelt contributions to discharge of the Ganges. Science of the Total Environment, 2013, 468-469, S93-S101.	3.9	86
44	An introduction to the IBMR, a hydro-economic model for climate change impact assessment in Pakistan's Indus River basin. Water International, 2013, 38, 632-650.	0.4	34
45	A 1000-year history of large floods in the Upper Ganga catchment, central Himalaya, India. Quaternary Science Reviews, 2013, 77, 156-166.	1.4	89
46	Mixing of Source Populations Recorded in Detrital Zircon U-Pb Age Spectra of Modern River Sands. Journal of Geology, 2013, 121, 17-33.	0.7	86
47	Cloud detection and analysis on the Tibetan Plateau using Meteosat and CloudSat. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,082.	1.2	24
48	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
49	Five centuries of Upper Indus River flow from tree rings. Journal of Hydrology, 2013, 486, 365-375.	2.3	125
50	Intensified monsoon and spatiotemporal changes in precipitation patterns in the NW Himalaya during the early-mid Holocene. Quaternary International, 2013, 313-314, 74-84.	0.7	34
51	Missing (in-situ) snow cover data hampers climate change and runoff studies in the Greater Himalayas. Science of the Total Environment, 2013, 468-469, S60-S70.	3.9	47
52	Changing monsoon patterns, snow and glacial melt, its impacts and adaptation options in northern India: Synthesis. Science of the Total Environment, 2013, 468-469, S162-S167.	3.9	14
53	Climatic variation and runoff from partially-glacierised Himalayan tributary basins of the Ganges. Science of the Total Environment, 2013, 468-469, S48-S59.	3.9	29
54	Millennial lag times in the Himalayan sediment routing system. Earth and Planetary Science Letters, 2013, 382, 38-46.	1.8	94
55	Large spatial and temporal variations in Himalayan denudation. Earth and Planetary Science Letters, 2013, 371-372, 278-293.	1.8	109

#	Article	IF	CITATIONS
56	Late Pleistocene glacial advances in the western Tibet interior. Earth and Planetary Science Letters, 2013, 381, 210-221.	1.8	32
57	Precipitation in the Hinduâ€Kush Karakoram Himalaya: Observations and future scenarios. Journal of Geophysical Research D: Atmospheres, 2013, 118, 85-100.	1.2	380
58	Climate Change in the South American Monsoon System: Present Climate and CMIP5 Projections. Journal of Climate, 2013, 26, 6660-6678.	1.2	86
59	Rapid long-term erosion in the rain shadow of the Shillong Plateau, Eastern Himalaya. Tectonophysics, 2013, 582, 76-83.	0.9	43
60	Evaluation of an ice ablation model to estimate the contribution of melting glacier ice to annual discharge in the Nepal Himalaya. Water Resources Research, 2013, 49, 5117-5133.	1.7	100
61	A physically based model of the year-round surface energy and mass balance of debris-covered glaciers. Journal of Glaciology, 2013, 59, 327-344.	1.1	71
62	Influence of debris cover on terminus retreat and mass changes of Chorabari Glacier, Garhwal region, central Himalaya, India. Journal of Glaciology, 2013, 59, 961-971.	1.1	145
63	Response of snow-dependent hydrologic extremes to continued global warming. Nature Climate Change, 2013, 3, 379-384.	8.1	128
64	Modelling Snowmelt Runoff under Climate Change Scenarios in an Ungauged Mountainous Watershed, Northwest China. Mathematical Problems in Engineering, 2013, 2013, 1-9.	0.6	24
65	Quantifying present and future glacier melt-water contribution to runoff in a central Himalayan river basin. Cryosphere, 2013, 7, 889-904.	1.5	68
66	Seasonal and annual mass balances of Mera and Pokalde glaciers (Nepal Himalaya) since 2007. Cryosphere, 2013, 7, 1769-1786.	1.5	149
67	Region-wide glacier mass balances over the Pamir-Karakoram-Himalaya during 1999–2011. Cryosphere, 2013, 7, 1263-1286.	1.5	631
68	Balanced conditions or slight mass gain of glaciers in the Lahaul and Spiti region (northern India,) Tj ETQq0 0 0 rş	gBT /Overl 1.5	ock 10 Tf 50 2
69	The influence of debris cover and glacial lakes on the recession of glaciers in Sikkim Himalaya, India. Journal of Glaciology, 2013, 59, 1035-1046.	1.1	157
70	Meteorological controls on glacier mass balance in High Asia. Annals of Glaciology, 2013, 54, 352-359.	2.8	23
71	Lithologic and tectonic controls on bedrock channel form at the northwest Himalayan front. Journal of Geophysical Research F: Earth Surface, 2013, 118, 1806-1825.	1.0	85
72	Precipitation and snow cover in the Himalaya: from reanalysis to regional climate simulations. Hydrology and Earth System Sciences, 2013, 17, 3921-3936.	1.9	125
7 3	Remote Sensing Analysis of Lake Dynamics in Semi-Arid Regions: Implication for Water Resource Management. Lake Manyara, East African Rift, Northern Tanzania. Water (Switzerland), 2013, 5, 698-727.	1.2	41

#	Article	IF	Citations
74	Trends in timing and magnitude of flow in the Upper Indus Basin. Hydrology and Earth System Sciences, 2013, 17, 1503-1516.	1.9	74
75	Climate change implications for the glaciers of the Hindu Kush, Karakoram and Himalayan region. Cryosphere, 2014, 8, 941-958.	1.5	77
76	Processes governing the mass balance of Chhota Shigri Glacier (western Himalaya, India) assessed by point-scale surface energy balance measurements. Cryosphere, 2014, 8, 2195-2217.	1.5	133
78	Topology and seasonal evolution of the network of extreme precipitation over the Indian subcontinent and Sri Lanka. Nonlinear Processes in Geophysics, 2014, 21, 901-917.	0.6	81
79	Negative trade-off between changes in vegetation water use and infiltration recovery after reforesting degraded pasture land in the Nepalese Lesser Himalaya. Hydrology and Earth System Sciences, 2014, 18, 4933-4949.	1.9	43
80	Glacial areas, lake areas, and snow lines from 1975 to 2012: status of the Cordillera Vilcanota, including the Quelccaya Ice Cap, northern central Andes, Peru. Cryosphere, 2014, 8, 359-376.	1.5	100
81	Geometry and kinematics of the Main Himalayan Thrust and Neogene crustal exhumation in the Bhutanese Himalaya derived from inversion of multithermochronologic data. Journal of Geophysical Research: Solid Earth, 2014, 119, 1446-1481.	1.4	99
82	Estimating the effects of climate change on the intensification of monsoonal-driven stream discharge in a Himalayan watershed. Hydrological Processes, 2014, 28, 6236-6250.	1.1	25
83	Reconstruction of the annual mass balance of Chhota Shigri glacier, Western Himalaya, India, since 1969. Annals of Glaciology, 2014, 55, 69-80.	2.8	126
84	Water infrastructure for the Hindu Kush Himalayas. International Journal of Water Resources Development, 2014, 30, 60-77.	1.2	56
85	Tectonic control on ¹⁰ Beâ€derived erosion rates in the Garhwal Himalaya, India. Journal of Geophysical Research F: Earth Surface, 2014, 119, 83-105.	1.0	141
86	Late Quaternary glacial advances in the Tons River Valley, Garhwal Himalaya, India and regional synchronicity. Holocene, 2014, 24, 1336-1350.	0.9	31
87	Formation of passive-roof duplexes in the Colombian Subandes and Perú. Lithosphere, 2014, 6, 456-472.	0.6	31
88	Glacier fluctuations of Muztagh Ata and temperature changes during the late Holocene in westernmost Tibetan Plateau, based on glaciolacustrine sediment records. Geophysical Research Letters, 2014, 41, 6265-6273.	1.5	78
89	Geomorphic History and Landscapes of India. World Geomorphological Landscapes, 2014, , 25-37.	0.1	9
91	Development of daily gridded rainfall dataset over the Ganga, Brahmaputra and Meghna river basins. Meteorological Applications, 2014, 21, 278-293.	0.9	10
92	Potential of pollen and non-pollen palynomorph records from Tso Moriri (Trans-Himalaya, NW India) for reconstructing Holocene limnology and human–environmental interactions. Quaternary International, 2014, 348, 113-129.	0.7	53
93	Tectonic controls upon Kaveri River drainage, cratonic Peninsular India: Inferences from longitudinal profiles, morphotectonic indices, hanging valleys and fluvial records. Geomorphology, 2014, 227, 153-165.	1.1	76

#	Article	IF	CITATIONS
94	Application and evaluation of a snowmelt runoff model in the Tamor River basin, Eastern Himalaya using a Markov Chain Monte Carlo (MCMC) data assimilation approach. Hydrological Processes, 2014, 28, 5337-5353.	1.1	64
95	Evaluating the performance of remote sensing precipitation products CMORPH, PERSIANN, and TMPA, in the arid region of northwest China. Theoretical and Applied Climatology, 2014, 118, 429-445.	1.3	93
96	What controls the growth of the Himalayan foreland fold-and-thrust belt?. Geology, 2014, 42, 247-250.	2.0	63
97	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
98	Nature and timing of Quaternary glaciation in the Himalayan–Tibetan orogen. Quaternary Science Reviews, 2014, 88, 14-54.	1.4	238
99	A Holocene pollen record from the northwestern Himalayan lake Tso Moriri: Implications for palaeoclimatic and archaeological research. Quaternary International, 2014, 348, 93-112.	0.7	151
100	Transpiration and canopy conductance of two contrasting forest types in the Lesser Himalaya of Central Nepal. Agricultural and Forest Meteorology, 2014, 197, 76-90.	1.9	57
101	Comparison of two snowmelt modelling approaches in the Dudh Koshi basin (eastern Himalayas,) Tj ETQq $1\ 1\ 0.7$	'84314 rgl	3T <u>/</u> Overlock i
102	Multidecadal Variations in the Relationship between the NAO and Winter Precipitation in the Hindu Kush–Karakoram. Journal of Climate, 2014, 27, 7890-7902.	1.2	53
103	Snowpack Changes in the Hindu Kush–Karakoram–Himalaya from CMIP5 Global Climate Models. Journal of Hydrometeorology, 2014, 15, 2293-2313.	0.7	38
104	Snowfall less sensitive to warming in Karakoram than in Himalayas due to a unique seasonal cycle. Nature Geoscience, 2014, 7, 834-840.	5. 4	246
105	Weakening and strengthening of the Indian monsoon during Heinrich events and Dansgaard-Oeschger oscillations. Paleoceanography, 2014, 29, 99-114.	3.0	98
106	An integrated modeling system for estimating glacier and snow melt driven streamflow from remote sensing and earth system data products in the Himalayas. Journal of Hydrology, 2014, 519, 1859-1869.	2.3	63
107	Consistent increase in High Asia's runoff due to increasing glacier melt and precipitation. Nature Climate Change, 2014, 4, 587-592.	8.1	818
108	Regional moisture change over India during the past Millennium: A comparison of multi-proxy reconstructions and climate model simulations. Global and Planetary Change, 2014, 122, 176-185.	1.6	38
109	Timing and climatic drivers for glaciation across monsoon-influenced regions of the Himalayan–Tibetan orogen. Quaternary Science Reviews, 2014, 88, 159-182.	1.4	135
110	Holocene versus modern catchment erosion rates at 300MW Baspa II hydroelectric power plant (India,) Tj ETQqC	0.0 rgBT 1.0	/Oyerlock 10
111	Evaluation of three high-resolution satellite precipitation estimates: Potential for monsoon monitoring over Pakistan. Advances in Space Research, 2014, 54, 670-684.	1.2	66

#	Article	IF	CITATIONS
112	The "inverse altitude effect―of leaf wax-derived n-alkane ÎƊ on the northeastern Tibetan Plateau. Organic Geochemistry, 2014, 73, 90-100.	0.9	13
113	Controls on erosion intensity in the Yangtze River basin tracked by U–Pb detrital zircon dating. Earth-Science Reviews, 2014, 136, 121-140.	4.0	69
114	Controls on morphological variability and role of stream power distribution pattern, Yamuna River, western India. Geomorphology, 2014, 227, 60-72.	1.1	44
115	Drainage migration and out of sequence thrusting in Bhalukpong, Western Arunachal Himalaya, India. Journal of Geodynamics, 2014, 81, 1-16.	0.7	10
116	Late Quaternary valley infill and dissection in the Indus River, western Tibetan Plateau margin. Quaternary Science Reviews, 2014, 94, 102-119.	1.4	58
117	Limnology and modern sedimentation patterns in high altitude Tso Moriri Lake, NW Himalaya – implications for proxy development. Fundamental and Applied Limnology, 2014, 185, 329-348.	0.4	22
118	Evaluation of error in TRMM 3B42V7 precipitation estimates over the Himalayan region. Journal of Geophysical Research D: Atmospheres, 2015, 120, 12458-12473.	1.2	125
119	WRF simulations of two extreme snowfall events associated with contrasting extratropical cyclones over the western and central Himalaya. Journal of Geophysical Research D: Atmospheres, 2015, 120, 3114-3138.	1.2	66
120	A reflection on the long-term water balance of the Upper Indus Basin. Hydrology Research, 2015, 46, 446-462.	1.1	40
121	How much can we gain with increasing model complexity with the same model concepts?. Journal of Hydrology, 2015, 527, 858-871.	2.3	28
122	Recent trends (2003–2013) of land surface heat fluxes on the southern side of the central Himalayas, Nepal. Journal of Geophysical Research D: Atmospheres, 2015, 120, 11,957.	1.2	11
123	Understanding erosion rates in the Himalayan orogen: A case study from the Arun Valley. Journal of Geophysical Research F: Earth Surface, 2015, 120, 2080-2102.	1.0	39
124	Integrated simulation of snow and glacier melt in water and energy balanceâ€based, distributed hydrological modeling framework at Hunza River Basin of Pakistan Karakoram region. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4889-4919.	1.2	94
125	Constraints on the tectonic and landscape evolution of the Bhutan Himalaya from thermochronometry. Tectonics, 2015, 34, 1329-1347.	1.3	31
126	Sensitivity analysis and implications for surface processes from a hydrological modelling approach in the Gunt catchment, high Pamir Mountains. Earth Surface Dynamics, 2015, 3, 333-362.	1.0	25
127	A 12-year high-resolution climatology of atmospheric water transport over the Tibetan Plateau. Earth System Dynamics, 2015, 6, 109-124.	2.7	147
128	Hydrological drought types in cold climates: quantitative analysis of causing factors and qualitative survey of impacts. Hydrology and Earth System Sciences, 2015, 19, 1993-2016.	1.9	62
129	Development of Flood Forecasting System for the Wangchhu River Basin in Bhutan. Journal of Geography and Geology, 2015, 7, .	0.4	3

#	Article	IF	CITATIONS
130	Climate regime of Asian glaciers revealed by GAMDAM glacier inventory. Cryosphere, 2015, 9, 865-880.	1.5	82
131	Reconciling high-altitude precipitation in the upper Indus basin with glacier mass balances and runoff. Hydrology and Earth System Sciences, 2015, 19, 4673-4687.	1.9	240
132	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
133	Sensitivity of glacier runoff projections to baseline climate data in the Indus River basin. Frontiers in Earth Science, 2015, 3, .	0.8	20
134	Characteristics of Summer Precipitation around the Western Ghats and the Myanmar West Coast. International Journal of Atmospheric Sciences, 2015, 2015, 1-10.	0.5	16
135	Snowfall in the Himalayas: an uncertain future from a little-known past. Cryosphere, 2015, 9, 1147-1167.	1.5	44
136	Evidence for a wide and gently dipping Main Himalayan Thrust in western Bhutan. Geophysical Research Letters, 2015, 42, 3257-3265.	1.5	37
137	Spatial prediction of landslide susceptibility in parts of Garhwal Himalaya, India, using the weight of evidence modelling. Environmental Monitoring and Assessment, 2015, 187, 324.	1.3	39
138	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
139	Evaluation of Remotely Sensed Precipitation and Its Performance for Streamflow Simulations in Basins of the Southeast Tibetan Plateau. Journal of Hydrometeorology, 2015, 16, 2577-2594.	0.7	33
140	Erosion rates of the Bhutanese Himalaya determined using in situ-produced 10Be. Geomorphology, 2015, 233, 112-126.	1.1	57
141	Multi-annual variations in winter westerly disturbance activity affecting the Himalaya. Climate Dynamics, 2015, 44, 441-455.	1.7	156
142	Future Hydrological Regimes in the Upper Indus Basin: A Case Study from a High-Altitude Glacierized Catchment. Journal of Hydrometeorology, 2015, 16, 306-326.	0.7	86
143	Twenty first century climatic and hydrological changes over Upper Indus Basin of Himalayan region of Pakistan. Environmental Research Letters, 2015, 10, 014007.	2.2	109
144	Along-strike changes in Himalayan thrust geometry: Topographic and tectonic discontinuities in western Nepal. Lithosphere, 2015, 7, 511-518.	0.6	61
145	Mapping the vulnerability hotspots over Hindu-Kush Himalaya region to flooding disasters. Weather and Climate Extremes, 2015, 8, 46-58.	1.6	50
146	Precipitation Seasonality over the Indian Subcontinent: An Evaluation of Gauge, Reanalyses, and Satellite Retrievals. Journal of Hydrometeorology, 2015, 16, 631-651.	0.7	98
147	Denudation pattern across the Longriba fault system and implications for the geomorphological evolution of the eastern Tibetan margin. Geomorphology, 2015, 246, 542-557.	1.1	25

#	Article	IF	CITATIONS
148	The use of amino acid analyses in (palaeo-) limnological investigations: A comparative study of four Indian lakes in different climate regimes. Geochimica Et Cosmochimica Acta, 2015, 160, 25-37.	1.6	18
149	A radiation-derived temperature-index snow routine for the GSSHA hydrologic model. Journal of Hydrology, 2015, 529, 723-736.	2.3	29
150	Drainage reorganization during mountain building in the river system of the Eastern Cordillera of the Colombian Andes. Geomorphology, 2015, 250, 370-383.	1.1	29
151	Increased late Pleistocene erosion rates during fluvial aggradation in the Garhwal Himalaya, northern India. Earth and Planetary Science Letters, 2015, 428, 255-266.	1.8	67
152	Accuracy assessment and trend analysis of MODIS-derived data on snow-covered areas in the Sutlej basin, Western Himalayas. International Journal of Remote Sensing, 2015, 36, 3837-3858.	1.3	31
153	Evidence for Pleistocene Low-Angle Normal Faulting in the Annapurna-Dhaulagiri Region, Nepal. Journal of Geology, 2015, 123, 133-151.	0.7	16
154	Highâ€resolution modeling of atmospheric dynamics in the Nepalese Himalaya. Journal of Geophysical Research D: Atmospheres, 2015, 120, 9882-9896.	1.2	85
155	Muscovite ⁴⁰ Ar/ ³⁹ Ar ages help reveal the Neogene tectonic evolution of the southern Annapurna Range, central Nepal. Geological Society Special Publication, 2015, 412, 199-220.	0.8	23
156	Erosion in southern Tibet shut down at $\hat{a}^{1}/410$ Ma due to enhanced rock uplift within the Himalaya. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12030-12035.	3.3	85
157	⁴⁰ Ar/ ³⁹ Ar ages of muscovites from modern Himalayan rivers: Himalayan evolution and the relative contribution of tectonics and climate., 2015, 11, 1837-1859.		12
158	Reconstructed late Quaternary hydrological changes from Lake Tso Moriri, NW Himalaya. Quaternary International, 2015, 371, 76-86.	0.7	75
159	Evaporative fractions and elevation effects on stable isotopes of high elevation lakes and streams in arid western Himalaya. Journal of Hydrology, 2015, 522, 239-249.	2.3	35
160	Natural hazards versus climate change and their potential impacts in the dry, northern Himalayas: focus on the upper Kali Gandaki (Mustang District, Nepal). Environmental Earth Sciences, 2015, 73, 801-814.	1.3	36
161	Snow cover trend and hydrological characteristics of the Astore River basin (Western Himalayas) and its comparison to the Hunza basin (Karakoram region). Science of the Total Environment, 2015, 505, 748-761.	3.9	118
162	Observed shift towards earlier spring discharge in the main Alpine rivers. Science of the Total Environment, 2015, 503-504, 222-232.	3.9	27
163	Recent progress in landslide dating. Progress in Physical Geography, 2015, 39, 168-198.	1.4	103
164	Characteristics of the Regional Hydrological Cycle., 2016,, 3-22.		0
165	Glacier area shrinkage in eastern Nepal Himalaya since 1992 using high-resolution inventories from aerial photographs and ALOS satellite images. Journal of Glaciology, 2016, 62, 512-524.	1.1	14

#	ARTICLE	IF	CITATIONS
166	Seasonality and spatial variability of dynamic precipitation controls on the Tibetan Plateau. Earth System Dynamics, 2016, 7, 767-782.	2.7	62
167	Remote Sensing of Mountain Glaciers and Related Hazards. , 2016, , .		3
168	Predictive Uncertainty Estimation on a Precipitation and Temperature Reanalysis Ensemble for Shigar Basin, Central Karakoram. Water (Switzerland), 2016, 8, 263.	1.2	21
169	Crop-specific seasonal estimates of irrigation-water demand in South Asia. Hydrology and Earth System Sciences, 2016, 20, 1971-1982.	1.9	40
170	Model complexity and data requirements in snow hydrology: seeking a balance in practical applications. Hydrological Processes, 2016, 30, 2106-2118.	1.1	21
171	Changing climate and glacioâ€hydrology in Indian Himalayan Region: a review. Wiley Interdisciplinary Reviews: Climate Change, 2016, 7, 393-410.	3.6	57
172	Climate-driven sediment aggradation and incision since the late Pleistocene in the NW Himalaya, India. Earth and Planetary Science Letters, 2016, 449, 321-331.	1.8	50
173	Soft sediment deformation structures in the Lixian lacustrine sediments, eastern Tibetan Plateau and implications for postglacial seismic activity. Sedimentary Geology, 2016, 344, 123-134.	1.0	34
174	Spatiotemporal patterns and trends of Indian monsoonal rainfall extremes. Geophysical Research Letters, 2016, 43, 1710-1717.	1.5	71
175	The Water Tower of India in a Long-term Perspective $\hat{a}\in$ A Way to Reconstruct Glaciers and Climate in Himachal Pradesh during the last 13,000 Years. Journal of Climate Change, 2016, 2, 103-112.	0.2	4
176	Discharge sensitivity to snowmelt parameterization: a case study for Upper Beas basin in Himachal Pradesh, India. Hydrology Research, 2016, 47, 683-700.	1.1	22
177	Evaluation of multisatellite precipitation products by use of groundâ€based data over China. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,654.	1.2	42
178	Spatial variation in exhumation rates across Ladakh and the Karakoram: New apatite fission track data from the Eastern Karakoram, NW India. Tectonics, 2016, 35, 704-721.	1.3	20
179	A review of atmospheric and land surface processes with emphasis on flood generation in the Southern Himalayan rivers. Science of the Total Environment, 2016, 556, 98-115.	3.9	56
180	Glacier area stability in the Central Karakoram National Park (Pakistan) in 2001–2010. Progress in Physical Geography, 2016, 40, 629-660.	1.4	57
181	Boreal spring precipitation variability in the cold arid western Himalaya during the last millennium, regional linkages, and socio-economic implications. Quaternary Science Reviews, 2016, 144, 28-43.	1.4	47
182	First in situ record of decadal glacier mass balance (2003–2014) from the Bhutan Himalaya. Annals of Glaciology, 2016, 57, 289-294.	2.8	29
183	Temperature reconstruction from glacier length fluctuations in the Himalaya. Annals of Glaciology, 2016, 57, 189-198.	2.8	16

#	Article	IF	CITATIONS
184	A regional record of expanded Holocene wetlands and prehistoric human occupation from paleowetland deposits of the western Yarlung Tsangpo valley, southern Tibetan Plateau. Quaternary Research, 2016, 86, 13-33.	1.0	3
185	Modelling glacier-bed overdeepenings and possible future lakes for the glaciers in the Himalaya—Karakoram region. Annals of Glaciology, 2016, 57, 119-130.	2.8	137
186	Selecting representative climate models for climate change impact studies: an advanced envelopeâ€based selection approach. International Journal of Climatology, 2016, 36, 3988-4005.	1.5	262
187	Geostatistical Estimation of Daily Monsoon Precipitation at Fine Spatial Scale: Koshi River Basin. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	8
188	Comparison of SRM and WetSpa models efficiency for snowmelt runoff simulation. Environmental Earth Sciences, 2016, 75, 1.	1.3	19
189	Glacial runoff and transport of suspended sediment from the Chhota Shigri glacier, Western Himalaya, India. Environmental Earth Sciences, 2016, 75, 1.	1.3	19
190	Role of climate and vegetation density in modulating denudation rates in the Himalaya. Earth and Planetary Science Letters, 2016, 445, 57-67.	1.8	51
191	Unsteady state of glaciers (Chhota Shigri and Hamtah) and climate in Lahaul and Spiti region, western Himalayas: a review of recent mass loss. Environmental Earth Sciences, 2016, 75, 1.	1.3	9
192	Review of challenges of and practices for sustainable management of mountain flood hazards. Natural Hazards, 2016, 83, 1763.	1.6	23
193	Late Neogene tectonically driven crustal exhumation of the Sikkim Himalaya: Insights from inversion of multithermochronologic data. Tectonics, 2016, 35, 833-859.	1.3	47
194	Climatic and geomorphic drivers of plant organic matter transport in the Arun River, E Nepal. Earth and Planetary Science Letters, 2016, 452, 104-114.	1.8	18
195	Riverâ€discharge dynamics in the Southern Central Andes and the 1976–77 global climate shift. Geophysical Research Letters, 2016, 43, 11,679.	1.5	18
196	Avulsion flow-path selection on rivers in foreland basins. Geology, 2016, 44, 695-698.	2.0	46
197	Factors responsible for driving the glaciation in the Sarchu Plain, eastern Zanskar Himalaya, during the late Quaternary. Journal of Quaternary Science, 2016, 31, 495-511.	1.1	49
198	Changes in the ablation zones of glaciers in the western Himalaya and the Karakoram between 1972 and 2015. Remote Sensing of Environment, 2016, 187, 505-512.	4.6	43
199	Irrigation demands aggravate fishing threats to river dolphins in Nepal. Biological Conservation, 2016, 204, 386-393.	1.9	19
200	Climate change impact assessment on mountain snow hydrology by water and energy budget-based distributed hydrological model. Journal of Hydrology, 2016, 543, 523-541.	2.3	19
201	Characteristics of landslide in Koshi River Basin, Central Himalaya. Journal of Mountain Science, 2016, 13, 1711-1722.	0.8	31

#	Article	IF	CITATIONS
202	Late Miocene-Pleistocene evolution of India-Eurasia convergence partitioning between the Bhutan Himalaya and the Shillong Plateau: New evidences from foreland basin deposits along the Dungsam Chu section, eastern Bhutan. Tectonics, 2016, 35, 2963-2994.	1.3	44
203	A regional record of expanded Holocene wetlands and prehistoric human occupation from paleowetland deposits of the western Yarlung Tsangpo valley, southern Tibetan Plateau. Quaternary Research, 2016, 86, 13-33.	1.0	14
204	Melt season hydrological characteristics of the Parlung No. 4 Glacier, in Gangrigabu Mountains, southâ€east Tibetan Plateau. Hydrological Processes, 2016, 30, 1171-1191.	1.1	12
205	Spatiotemporal characteristics of extreme rainfall events over the Northwest Himalaya using satellite data. International Journal of Climatology, 2016, 36, 3949-3962.	1.5	81
206	Intraseasonal-to-Interannual Variability of the Indian Monsoon Identified with the Large-Scale Index for the Indian Monsoon System (LIMS). Journal of Climate, 2016, 29, 2941-2962.	1.2	15
207	Development of a Glacio-hydrological Model for Discharge and Mass Balance Reconstruction. Water Resources Management, 2016, 30, 3475-3492.	1.9	42
208	Assessment of temporal dynamics of snow cover and its validation with hydro-meteorological data in parts of Chenab Basin, western Himalayas. Science China Earth Sciences, 2016, 59, 1081-1094.	2.3	24
209	A new water-resistant snow index for the detection and mapping of snow cover on a global scale. International Journal of Remote Sensing, 2016, 37, 2706-2723.	1.3	11
210	Future hydrological regimes and glacier cover in the Everest region: The case study of the upper Dudh Koshi basin. Science of the Total Environment, 2016, 565, 1084-1101.	3.9	55
211	Decoupling of long-term exhumation and short-term erosion rates in the Sikkim Himalaya. Earth and Planetary Science Letters, 2016, 433, 76-88.	1.8	41
212	Assessing uncertainty and sensor biases in passive microwave data across High Mountain Asia. Remote Sensing of Environment, 2016, 181, 174-185.	4.6	34
213	Review on climate change on the Tibetan Plateau during the last half century. Journal of Geophysical Research D: Atmospheres, 2016, 121, 3979-4007.	1.2	412
214	In situ development of highâ€elevation, lowâ€relief landscapes via duplex deformation in the Eastern Himalayan hinterland, Bhutan. Journal of Geophysical Research F: Earth Surface, 2016, 121, 294-319.	1.0	45
215	Recent variations of supraglacial lakes on the Baltoro Glacier in the central Karakoram Himalaya and its possible teleconnections with the pacific decadal oscillation. Geocarto International, 2016, 31, 109-119.	1.7	6
216	Winter westerly disturbance dynamics and precipitation in the western Himalaya and Karakoram: a wave-tracking approach. Theoretical and Applied Climatology, 2016, 125, 27-44.	1.3	73
217	Stream Flow Changes and Glacier Recession in the Upper Indus Basin. , 2016, , 905-908.		О
218	Contrasting tectonically driven exhumation and incision patterns, western versus central Nepal Himalaya. Geology, 2016, 44, 327-330.	2.0	54
219	Diachronous deformation along the base of the Himalayan metamorphic core, west-central Nepal. Bulletin of the Geological Society of America, 2016, 128, 860-878.	1.6	39

#	ARTICLE	IF	CITATIONS
220	Hydrological modeling to simulate streamflow under changing climate in a scarcely gauged cryosphere catchment. Environmental Earth Sciences, 2016, 75, 1.	1.3	33
221	Comparative assessment of spatiotemporal snow cover changes and hydrological behavior of the Gilgit, Astore and Hunza River basins (Hindukush–Karakoram–Himalaya region, Pakistan). Meteorology and Atmospheric Physics, 2016, 128, 793-811.	0.9	66
222	Differentiating between rain, snow, and glacier contributions to river discharge in the western Himalaya using remote-sensing data and distributed hydrological modeling. Advances in Water Resources, 2016, 88, 152-169.	1.7	70
223	Hydrological response to future climate changes for the major upstream river basins in the Tibetan Plateau. Global and Planetary Change, 2016, 136, 82-95.	1.6	188
224	Downstream Implications of Climate Change in the Himalayas. Water Resources Development and Management, 2016, , 65-82.	0.3	11
225	The Monsoons and Climate Change. Springer Climate, 2016, , 1-6.	0.3	2
226	Deciphering the desiccation trend of the South Asian monsoon hydroclimate in a warming world. Climate Dynamics, 2016, 47, 1007-1027.	1.7	168
227	Evolving strain partitioning in the Eastern Himalaya: The growth of the Shillong Plateau. Earth and Planetary Science Letters, 2016, 433, 1-9.	1.8	87
228	Geology and geomorphology of Masol paleonto-archeological site, Late Pliocene, Chandigarh, Siwalik Frontal Range, NW India. Comptes Rendus - Palevol, 2016, 15, 379-391.	0.1	12
229	Effects of terrain attributes on snow-cover dynamics in parts of Chenab basin, western Himalayas. Hydrological Sciences Journal, 0 , 1 -16.	1.2	20
230	Karakorum temperature out of phase with hemispheric trends for the past five centuries. Climate Dynamics, 2016, 46, 1943-1952.	1.7	39
231	Precipitation climatology over India: validation with observations and reanalysis datasets and spatial trends. Climate Dynamics, 2016, 46, 541-556.	1.7	117
232	Atmospheric moisture budget during winter seasons in the western Himalayan region. Climate Dynamics, 2017, 48, 1277-1295.	1.7	9
233	Rainfall variability and trends of the past six decades (1950–2014) in the subtropical NW Argentine Andes. Climate Dynamics, 2017, 48, 1049-1067.	1.7	33
234	Wintertime precipitation climatology and <scp>ENSO</scp> sensitivity over central southwest Asia. International Journal of Climatology, 2017, 37, 1494-1509.	1.5	19
235	Glacier characteristics and retreat between 1991 and 2014 in the Ladakh Range, Jammu and Kashmir. Remote Sensing Letters, 2017, 8, 518-527.	0.6	33
236	How a stationary knickpoint is sustained: New insights into the formation of the deep Yarlung Tsangpo Gorge. Geomorphology, 2017, 285, 28-43.	1.1	31
237	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

#	Article	IF	CITATIONS
238	Alongâ€strike variations in the <scp>H</scp> imalayan orogenic wedge structure in <scp>B</scp> hutan from ambient seismic noise tomography. Geochemistry, Geophysics, Geosystems, 2017, 18, 1483-1498.	1.0	32
239	Effects of topographic smoothing on the simulation of winter precipitation in High Mountain Asia. Journal of Geophysical Research D: Atmospheres, 2017, 122, 1456-1474.	1.2	32
240	Evaluation of Precipitable Water Vapor from Four Satellite Products and Four Reanalysis Datasets against GPS Measurements on the Southern Tibetan Plateau. Journal of Climate, 2017, 30, 5699-5713.	1.2	63
241	Nonâ€stationary modelling framework for rainfall interpolation in complex terrain. International Journal of Climatology, 2017, 37, 4171-4185.	1.5	16
242	Lateral variations in vegetation in the Himalaya since the Miocene and implications for climate evolution. Earth and Planetary Science Letters, 2017, 471, 1-9.	1.8	36
243	Asia's glaciers are a regionally important buffer against drought. Nature, 2017, 545, 169-174.	13.7	153
244	The Influence of Hydrology and Glaciology on Wetlands in the Himalayas. , 2017, , 175-188.		4
245	Toward mountains without permanent snow and ice. Earth's Future, 2017, 5, 418-435.	2.4	324
246	Evaluating the present annual water budget of a Himalayan headwater river basin using a highâ€resolution atmosphereâ€hydrology model. Journal of Geophysical Research D: Atmospheres, 2017, 122, 4786-4807.	1.2	51
247	Climatic and glacial impact on erosion patterns and sediment provenance in the Himalayan rain shadow, Zanskar River, NW India. Bulletin of the Geological Society of America, 2017, 129, 820-836.	1.6	25
248	Rainfall variability in the <scp>H</scp> imalayan orogen and its relevance to erosion processes. Water Resources Research, 2017, 53, 4004-4021.	1.7	18
249	Modelling 60 years of glacier mass balance and runoff for Chhota Shigri Glacier, Western Himalaya, Northern India. Journal of Glaciology, 2017, 63, 618-628.	1.1	27
250	Spatial and Temporal Variability Analysis Using Modelled Precipitation Data in Upper Catchment of Chambal Basin. Springer Water, 2017, , 75-88.	0.2	4
251	Testing monsoonal controls on bedrock river incision in the Himalaya and Eastern Tibet with a stochasticâ€threshold stream power model. Journal of Geophysical Research F: Earth Surface, 2017, 122, 1389-1429.	1.0	54
252	The role of climate and tectonics in aggradation and incision of the Indus River in the Ladakh Himalaya during the late Quaternary. Quaternary Research, 2017, 87, 363-385.	1.0	40
253	Sensitivity of simulated summer monsoonal precipitation in Langtang Valley, Himalaya, to cloud microphysics schemes in WRF. Journal of Geophysical Research D: Atmospheres, 2017, 122, 6298-6318.	1.2	49
254	Role of debris flow on the change of 10Be concentration in rapidly eroding watersheds: a case study on the Seti River, central Nepal. Journal of Mountain Science, 2017, 14, 716-730.	0.8	5
255	Evidence from paleosols for low to moderate elevation of the India-Asia suture zone during mid-Cenozoic time. Geology, 2017, 45, 399-402.	2.0	32

#	Article	IF	CITATIONS
256	Impact of forest degradation on streamflow regime and runoff response to rainfall in the Garhwal Himalaya, Northwest India. Hydrological Sciences Journal, 2017, 62, 1114-1130.	1.2	31
257	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
258	Oscillations and trends of river discharge in the southern Central Andes and linkages with climate variability. Journal of Hydrology, 2017, 555, 108-124.	2.3	18
259	Evidence of topographic disequilibrium in the Subarnarekha River Basin, India: A digital elevation model based analysis. Journal of Earth System Science, 2017, 126, 1.	0.6	22
260	Performance of CMIP3 and CMIP5 GCMs to Simulate Observed Rainfall Characteristics over the Western Himalayan Region. Journal of Climate, 2017, 30, 7777-7799.	1.2	53
261	Weathering in the Himalaya, an East-West Comparison: Indications from Major Elements and Clay Mineralogy. Journal of Geology, 2017, 125, 515-529.	0.7	7
262	Glacier retreat and its impact on summertime runâ€off in a highâ€altitude ungauged catchment. Hydrological Processes, 2017, 31, 3672-3681.	1.1	9
263	Controls on modern erosion and the development of the Pearl River drainage in the late Paleogene. Marine Geology, 2017, 394, 52-68.	0.9	54
264	Estimation of snow and glacial melt contribution through stable isotopes and assessment of its impact on river morphology through stream power approach in two Himalayan river basins. Environmental Earth Sciences, 2017, 76, 1.	1.3	12
265	Supraglacial Ponds Regulate Runoff From Himalayan Debrisâ€Covered Glaciers. Geophysical Research Letters, 2017, 44, 11,894.	1.5	30
266	Timing of fluvial terrace formation and concomitant travertine deposition in the upper Sutlej River (Tirthapuri, southwestern Tibet) and paleoclimatic implications. Quaternary Science Reviews, 2017, 169, 357-377.	1.4	16
267	Hydrogeochemistry of the Chhota Shigri glacier meltwater, Chandra basin, Himachal Pradesh, India: solute acquisition processes, dissolved load and chemical weathering rates. Environmental Earth Sciences, 2017, 76, 1.	1.3	17
268	The spatiotemporal variability of precipitation over the Himalaya: evaluation of one-year WRF model simulation. Climate Dynamics, 2017, 49, 2179-2204.	1.7	62
269	Regional representation of glaciers in Chandra Basin region, western Himalaya, India. Geoscience Frontiers, 2017, 8, 841-850.	4.3	30
270	Tree ring drought records from Kishtwar, Jammu and Kashmir, northwest Himalaya, India. Quaternary International, 2017, 444, 53-64.	0.7	20
271	Changing monsoon and midlatitude circulation interactions over the Western Himalayas and possible links to occurrences of extreme precipitation. Climate Dynamics, 2017, 49, 2351-2364.	1.7	59
272	Impacts of changing climate and snow cover on the flow regime of Jhelum River, Western Himalayas. Regional Environmental Change, 2017, 17, 813-825.	1.4	51
273	Meltwater runoff in a changing climate (1951–2099) at Chhota Shigri Glacier, Western Himalaya, Northern India. Annals of Glaciology, 2017, 58, 47-58.	2.8	23

#	Article	IF	CITATIONS
274	Synoptic Conditions and Moisture Sources Actuating Extreme Precipitation in Nepal. Journal of Geophysical Research D: Atmospheres, 2017, 122, 12,653.	1.2	35
275	Providing a non-deterministic representation of spatial variability of precipitation in the Everest region. Hydrology and Earth System Sciences, 2017, 21, 4879-4893.	1.9	23
276	Spatial variability in mass loss of glaciers in the Everest region, central Himalayas, between 2000 and 2015. Cryosphere, 2017, 11, 407-426.	1.5	100
277	Assimilation of snow cover and snow depth into a snow model toÂestimate snow water equivalent and snowmelt runoff in aÂHimalayan catchment. Cryosphere, 2017, 11, 1647-1664.	1.5	71
278	The 2015 Surge of Hispar Glacier in the Karakoram. Remote Sensing, 2017, 9, 888.	1.8	41
279	Hydrological Modeling of the Upper Indus Basin: A Case Study from a High-Altitude Glacierized Catchment Hunza. Water (Switzerland), 2017, 9, 17.	1.2	65
280	Evaluation of Satellite-Derived Rainfall Estimates for an Extreme Rainfall Event over Uttarakhand, Western Himalayas. Hydrology, 2017, 4, 22.	1.3	29
281	Future changes in hydro-climatic extremes in the Upper Indus, Ganges, and Brahmaputra River basins. PLoS ONE, 2017, 12, e0190224.	1.1	107
282	Spatiotemporal patterns of High Mountain Asia's snowmelt season identified with an automated snowmelt detection algorithm, 1987–2016. Cryosphere, 2017, 11, 2329-2343.	1.5	36
283	¹⁰ Be systematics in the Tsangpo-Brahmaputra catchment: the cosmogenic nuclide legacy of the eastern Himalayan syntaxis. Earth Surface Dynamics, 2017, 5, 429-449.	1.0	35
284	Review article: Inferring permafrost and permafrost thaw in the mountains of the Hindu Kush Himalaya region. Cryosphere, 2017, 11, 81-99.	1.5	98
285	Assessment of the performance of CORDEX-South Asia experiments for monsoonal precipitation over the Himalayan region during present climate: part I. Climate Dynamics, 2018, 50, 2311-2334.	1.7	61
286	Assessment of snow-glacier melt and rainfall contribution to stream runoff in Baspa Basin, Indian Himalaya. Environmental Monitoring and Assessment, 2018, 190, 154.	1.3	16
287	Late Pleistocene - Holocene development of the Tista megafan (West Bengal, India): 10Be cosmogenic and IRSL age constraints. Quaternary Science Reviews, 2018, 185, 69-90.	1.4	13
288	Impact of model resolution on simulating the water vapor transport through the central Himalayas: implication for models' wet bias over the Tibetan Plateau. Climate Dynamics, 2018, 51, 3195-3207.	1.7	117
289	Changes in seasonal snow water equivalent distribution in High Mountain Asia (1987 to 2009). Science Advances, 2018, 4, e1701550.	4.7	141
290	Nextâ€Generation Intensityâ€Durationâ€Frequency Curves for Hydrologic Design in Snowâ€Dominated Environments. Water Resources Research, 2018, 54, 1093-1108.	1.7	58
291	Quaternary glaciation of the Lato Massif, Zanskar Range of the NW Himalaya. Quaternary Science Reviews, 2018, 183, 140-156.	1.4	26

#	Article	IF	CITATIONS
292	Multidimensional stress test for hydropower investments facing climate, geophysical and financial uncertainty. Global Environmental Change, 2018, 48, 168-181.	3.6	55
293	Climate change impact assessment on the hydrological regime of the Kaligandaki Basin, Nepal. Science of the Total Environment, 2018, 625, 837-848.	3.9	129
294	Review of the status and mass changes of Himalayan-Karakoram glaciers. Journal of Glaciology, 2018, 64, 61-74.	1.1	233
295	Suspended sediment dynamics in the meltwater of Chhota Shigri glacier, Chandra basin, Lahaul-Spiti valley, India. Journal of Mountain Science, 2018, 15, 68-81.	0.8	7
296	Investigating the role of meltwater versus precipitation seasonality in abrupt lake-level rise in the high-altitude Tso Moriri Lake (India). Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 493, 20-29.	1.0	13
297	Nanoparticles in glacial melt water. Materials Today: Proceedings, 2018, 5, 9161-9166.	0.9	10
298	Regional scale hydrologic modeling for prediction of water balance, analysis of trends in streamflow and variations in streamflow: The case study of the Ganga River basin. Journal of Hydrology: Regional Studies, 2018, 16, 32-53.	1.0	66
299	Spatial and temporal precipitation patterns characterized by TRMM TMPA over the Qinghai-Tibetan plateau and surroundings. International Journal of Remote Sensing, 2018, 39, 3891-3907.	1.3	37
300	Climate change over Leh (Ladakh), India. Theoretical and Applied Climatology, 2018, 131, 531-545.	1.3	71
301	Phylogeography of freshwater fish <i>Puntius sophore</i> in India. Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis, 2018, 29, 256-265.	0.7	5
302	The size, distribution, and mobility of landslides caused by the 2015 Mw7.8 Gorkha earthquake, Nepal. Geomorphology, 2018, 301, 121-138.	1.1	294
303	Assessment of CORDEX-South Asia experiments for monsoonal precipitation over Himalayan region for future climate. Climate Dynamics, 2018, 50, 3009-3030.	1.7	41
304	Spatiotemporal variation of snow cover over the Tibetan Plateau based on MODIS snow product, 2001–2014. International Journal of Climatology, 2018, 38, 708-728.	1.5	73
305	Wintertime surface energy balance of a high-altitude seasonal snow surface in Chhota Shigri glacier basin, Western Himalaya. Geological Society Special Publication, 2018, 462, 155-168.	0.8	4
306	A precipitation perspective of the Hydrosphere-cryosphere interaction in the Himalaya. Geological Society Special Publication, 2018, 462, 73-87.	0.8	7
307	Improving MODIS snow products with a HMRF-based spatio-temporal modeling technique in the Upper Rio Grande Basin. Remote Sensing of Environment, 2018, 204, 568-582.	4.6	49
308	Earth surface processes and landscape evolution in the Himalaya: a framework for sustainable development and geohazard mitigation. Geological Society Special Publication, 2018, 462, 169-188.	0.8	6
309	Comparison of climatic trends and variability among glacierized environments in the Western Himalayas. Theoretical and Applied Climatology, 2018, 134, 155-163.	1.3	8

#	Article	IF	CITATIONS
310	Decadal flood trends in Bangladesh from extensive hydrographic data. Natural Hazards, 2018, 90, 115-135.	1.6	7
311	Physical water scarcity metrics for monitoring progress towards SDG target 6.4: An evaluation of indicator 6.4.2 "Level of water stress†Science of the Total Environment, 2018, 613-614, 218-232.	3.9	223
312	Quantification of impact of changes in land use-land cover on hydrology in the upper Indus Basin, Pakistan. Egyptian Journal of Remote Sensing and Space Science, 2018, 21, 255-263.	1.1	19
313	Sr and Nd isotope compositions of alluvial sediments from the Ganga Basin and their use as potential proxies for source identification and apportionment. Chemical Geology, 2018, 476, 327-339.	1.4	34
314	Coupling erosion and topographic development in the rainiest place on Earth: Reconstructing the Shillong Plateau uplift history with in-situ cosmogenic 10Be. Earth and Planetary Science Letters, 2018, 483, 39-51.	1.8	27
315	The changing water cycle: the need for an integrated assessment of the resilience to changes in water supply in Highâ€Mountain Asia. Wiley Interdisciplinary Reviews: Water, 2018, 5, e1258.	2.8	12
316	Causes of rapid uplift and exceptional topography of Gongga Shan on the eastern margin of the Tibetan Plateau. Earth and Planetary Science Letters, 2018, 481, 328-337.	1.8	27
317	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.	0.8	16
318	Magic componentsâ€"why quantifying rain, snowmelt, and icemelt in river discharge is not easy. Hydrological Processes, 2018, 32, 160-166.	1.1	31
319	Precipitation variability over Northwest Himalaya from â^¼4.0 to 1.9†ka BP with likely impact on civilization in the foreland areas. Journal of Asian Earth Sciences, 2018, 162, 148-159.	1.0	23
320	Quantifying episodic erosion and transient storage on the western margin of the Tibetan Plateau, upper Indus River. Quaternary Research, 2018, 89, 281-306.	1.0	24
321	Pliocene episodic exhumation and the significance of the Munsiari thrust in the northwestern Himalaya. Earth and Planetary Science Letters, 2018, 481, 273-283.	1.8	28
322	Precipitation characteristics over the steep slope of the Himalayas in rainy season observed by TRMM PR and VIRS. Climate Dynamics, 2018, 51, 1971-1989.	1.7	51
323	Fault activity, tectonic segmentation, and deformation pattern of the western Himalaya on Ma timescales inferred from landscape morphology. Lithosphere, 2018, 10, 632-640.	0.6	21
324	Interannual modulation of seasonal glacial velocity variations in the Eastern Karakoram detected by ALOS-1/2 data. Journal of Glaciology, 2018, 64, 465-476.	1.1	14
325	Hydrological Simulation and Runoff Component Analysis over a Cold Mountainous River Basin in Southwest China. Water (Switzerland), 2018, 10, 1705.	1.2	11
326	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
327	Spatiotemporal variation of late Quaternary river incision rates in southeast Tibet, constrained by dating fluvial terraces. Lithosphere, 2018, 10, 662-675.	0.6	30

#	Article	IF	CITATIONS
328	Neoglacial climate anomalies and the Harappan metamorphosis. Climate of the Past, 2018, 14, 1669-1686.	1.3	36
329	Correction and Informed Regionalization of Precipitation Data in a High Mountainous Region (Upper) Tj ETQq1 1	. 0.784314 1.2	rggT /Overlo
330	Snowmelt runoff assessment and prediction under variable climate and glacier cover scenarios in Astore River Basin, Western Himalayas. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	7
331	Modelling Hydrological Components of the Rio Maipo of Chile, and Their Prospective Evolution under Climate Change. Climate, 2018, 6, 57.	1.2	19
332	Deposition of atmospheric pollutant and their chemical characterization in snow pit profile at Dokriani Glacier, Central Himalaya. Journal of Mountain Science, 2018, 15, 2236-2246.	0.8	16
333	Projected Increase in Hydropower Production in India under Climate Change. Scientific Reports, 2018, 8, 12450.	1.6	53
334	The effect of Indian Summer Monsoon rainfall on surface water Î'D values in the central Himalaya. Hydrological Processes, 2018, 32, 3662-3674.	1.1	9
335	A Climate Data Record (CDR) for the global terrestrial water budget: 1984–2010. Hydrology and Earth System Sciences, 2018, 22, 241-263.	1.9	91
336	The shape of watersheds. Nature Communications, 2018, 9, 3791.	5.8	49
337	Inventory of Glaciers in the Shaksgam Valley of the Chinese Karakoram Mountains, 1970–2014. Remote Sensing, 2018, 10, 1166.	1.8	8
338	Substrate control of C4 plant abundance in the Himalayan foreland: A study based on inter-basinal records from Plio-Pleistocene Siwalik Group sediments. Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 511, 341-351.	1.0	18
339	Variations in nearâ€surface debris temperature through the summer monsoon on Khumbu Glacier, Nepal Himalaya. Earth Surface Processes and Landforms, 2018, 43, 2698-2714.	1.2	7
340	Formation of a Rain Shadow: O and H Stable Isotope Records in Authigenic Clays From the Siwalik Group in Eastern Bhutan. Geochemistry, Geophysics, Geosystems, 2018, 19, 3430-3447.	1.0	11
341	Atmospheric Rivers Carry Nonmonsoon Extreme Precipitation Into Nepal. Journal of Geophysical Research D: Atmospheres, 2018, 123, 5901-5912.	1.2	32
342	Scenario approach for the seasonal forecast of Kharif flows from the Upper Indus Basin. Hydrology and Earth System Sciences, 2018, 22, 1391-1409.	1.9	6
343	The Impact of Spatial Resolution, Land Use, and Spinup Time on Resolving Spatial Precipitation Patterns in the Himalayas. Journal of Hydrometeorology, 2018, 19, 1565-1581.	0.7	62
344	Isotopic composition of daily precipitation along the southern foothills of the Himalayas: impact of marine and continental sources of atmospheric moisture. Atmospheric Chemistry and Physics, 2018, 18, 8789-8805.	1.9	56
345	Investigating water budget dynamics in 18 river basins across the Tibetan Plateau through multiple datasets. Hydrology and Earth System Sciences, 2018, 22, 351-371.	1.9	43

#	Article	IF	CITATIONS
346	An integrated assessment approach for estimating the economic impacts of climate change on River systems: An application to hydropower and fisheries in a Himalayan River, Trishuli. Environmental Science and Policy, 2018, 87, 102-111.	2.4	26
347	Geo-spatial dynamics of snowcover and hydro-meteorological parameters of Astore basin, UIB, HKH Region, Pakistan. Arabian Journal of Geosciences, 2018, 11, 1.	0.6	3
348	Evolution of Glacial and High-Altitude Lakes in the Sikkim, Eastern Himalaya Over the Past Four Decades (1975–2017). Frontiers in Environmental Science, 2018, 6, .	1.5	75
349	Slope Environmental Lapse Rate (SELR) of Temperature in the Monsoon Regime of the Western Himalaya. Frontiers in Environmental Science, 2018, 6, .	1.5	26
350	Late Cenozoic Forelandâ€toâ€Hinterland Lowâ€Temperature Exhumation History of the Kashmir Himalaya. Tectonics, 2018, 37, 3041-3068.	1.3	28
351	Mass Balance Status of Indian Himalayan Glaciers: A Brief Review. Frontiers in Environmental Science, 2018, 6, .	1.5	13
352	Annual Sediment Transport Dynamics in the Narayani Basin, Central Nepal: Assessing the Impacts of Erosion Processes in the Annual Sediment Budget. Journal of Geophysical Research F: Earth Surface, 2018, 123, 2341-2376.	1.0	23
353	Impact of soil freeze-thaw mechanism on the runoff dynamics of two Tibetan rivers. Journal of Hydrology, 2018, 563, 382-394.	2.3	44
354	Non-monsoonal precipitation response over the Western Himalayas to climate change. Climate Dynamics, 2019, 52, 4091-4109.	1.7	51
355	Disentangling sea-surface temperature and anthropogenic aerosol influences on recent trends in South Asian monsoon rainfall. Climate Dynamics, 2019, 52, 2287-2302.	1.7	20
356	Decadal Estimates of Surface Mass Balance for Glaciers in Chandra Basin, Western Himalayas, Indiaâ€"A Geodetic Approach. , 2019, , 109-125.		6
357	Deciphering the contrasting climatic trends between the central Himalaya and Karakoram with 36 years of WRF simulations. Climate Dynamics, 2019, 52, 159-180.	1.7	33
358	Upstream and downstream response of water resource regimes to climate change in the Indus River basin. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	10
359	Spatially Variable Glacier Changes in the Annapurna Conservation Area, Nepal, 2000 to 2016. Remote Sensing, 2019, 11, 1452.	1.8	9
360	Bayesian evaluation of meteorological datasets for modeling snowmelt runoff in Tizinafu watershed in Western China. Theoretical and Applied Climatology, 2019, 138, 1991-2006.	1.3	6
361	Precipitation Variations under a Changing Climate from 1961–2015 in the Source Region of the Indus River. Water (Switzerland), 2019, 11, 1366.	1.2	12
362	Using Convective Available Potential Energy (CAPE) and Dew-Point Temperature to Characterize Rainfall-Extreme Events in the South-Central Andes. Atmosphere, 2019, 10, 379.	1.0	12
363	Quaternary climate change and habitat preference shaped the genetic differentiation and phylogeography of Rhodiola sect. Prainia in the southern Qinghai–Tibetan Plateau. Ecology and Evolution, 2019, 9, 8305-8319.	0.8	7

#	Article	IF	CITATIONS
364	A comparison of snowmeltâ€derived streamflow from temperatureâ€index and modifiedâ€ŧemperatureâ€index snow models. Hydrological Processes, 2019, 33, 3030-3045.	1.1	12
365	Near Real-Time Measurement of Snow Water Equivalent in the Nepal Himalayas. Frontiers in Earth Science, 2019, 7, .	0.8	28
366	Stable water isotope modeling reveals spatio-temporal variability of glacier meltwater contributions to Ganges River headwaters. Journal of Hydrology, 2019, 577, 123983.	2.3	41
367	Millennial-scale denudation rates in the Himalaya of Far Western Nepal. Earth Surface Dynamics, 2019, 7, 969-987.	1.0	4
368	Co-designing Indus Water-Energy-Land Futures. One Earth, 2019, 1, 185-194.	3.6	54
369	Incorporating Climate Nonstationarity and Snowmelt Processes in Intensity–Duration–Frequency Analyses with Case Studies in Mountainous Areas. Journal of Hydrometeorology, 2019, 20, 2331-2346.	0.7	10
370	Assessing the Performance of CMIP5 Global Climate Models for Simulating Future Precipitation Change in the Tibetan Plateau. Water (Switzerland), 2019, 11, 1771.	1.2	41
371	Identifying and contrasting the sources of the water vapor reaching the subregions of the Tibetan Plateau during the wet season. Climate Dynamics, 2019, 53, 6891-6907.	1.7	48
372	Evaluating the Uncertainty of Terrestrial Water Budget Components Over High Mountain Asia. Frontiers in Earth Science, 2019, 7, .	0.8	47
373	An Automated Approach for Estimating Snowline Altitudes in the Karakoram and Eastern Himalaya From Remote Sensing. Frontiers in Earth Science, 2019, 7, .	0.8	35
374	Distribution of trace metal in Shaune Garang catchment: evidence from particles and nanoparticles. Materials Today: Proceedings, 2019, 15, 586-594.	0.9	7
375	Mapping of groundwater spring potential zone using geospatial techniques in the Central Nepal Himalayas: A case example of Melamchi–Larke area. Journal of Earth System Science, 2019, 128, 1.	0.6	31
376	Lithological control on the geomorphic evolution of the Shillong Plateau in Northeast India. Geomorphology, 2019, 330, 133-150.	1.1	18
377	Water in the Hindu Kush Himalaya. , 2019, , 257-299.		61
378	Water Resources Modeling and Prospective Evaluation in the Indus River Under Present and Prospective Climate Change., 2019, , 17-56.		5
379	Impact of climate change on agricultural productivity and food security in the Himalayas: A case study in Nepal. Agricultural Systems, 2019, 171, 113-125.	3.2	61
380	Elevational differences in hydrogeomorphic disturbance regime influence sediment residence times within mountain river corridors. Nature Communications, 2019, 10, 2221.	5.8	33
381	Current Practice and Recommendations for Modelling Global Change Impacts on Water Resource in the Himalayas. Water (Switzerland), 2019, 11, 1303.	1.2	25

#	Article	IF	CITATIONS
382	Inherited Crossâ€Strike Faults and Oligoceneâ€Early Miocene Segmentation of the Main Himalayan Thrust, West Nepal. Journal of Geophysical Research: Solid Earth, 2019, 124, 7429-7444.	1.4	12
383	Delineation of spring recharge zones using environmental isotopes to support climate-resilient interventions in two mountainous catchments in Far-Western Nepal. Hydrogeology Journal, 2019, 27, 2181-2197.	0.9	15
384	Asia's shrinking glaciers protect large populations from drought stress. Nature, 2019, 569, 649-654.	13.7	360
385	Water Balance Assessment under Different Glacier Coverage Scenarios in the Hunza Basin. Water (Switzerland), 2019, 11, 1124.	1.2	16
386	Water availability on the Third Pole: A review. Water Security, 2019, 7, 100033.	1.2	17
387	Contrasting Meteorological Drivers of the Glacier Mass Balance Between the Karakoram and Central Himalaya. Frontiers in Earth Science, 2019, 7, .	0.8	47
389	Inventory of rock glaciers in Himachal Himalaya, India using high-resolution Google Earth imagery. Geomorphology, 2019, 340, 103-115.	1.1	30
390	Hydroclimatic seasonality recorded by tree ring δ180 signature across a Himalayan altitudinal transect. Earth and Planetary Science Letters, 2019, 518, 148-159.	1.8	22
391	Spatio-Temporal Rainfall Variability and Flood Prognosis Analysis Using Satellite Data over North Bihar during the August 2017 Flood Event. Hydrology, 2019, 6, 38.	1.3	19
392	Precipitation characteristics of two complex mountain river basins on the southern slopes of the central Himalayas. Theoretical and Applied Climatology, 2019, 138, 1159-1178.	1.3	12
393	Exploring a Variableâ€Resolution Approach for Simulating Regional Climate Over the Tibetan Plateau Using VRâ€CESM. Journal of Geophysical Research D: Atmospheres, 2019, 124, 4490-4513.	1.2	28
394	Simulating Current and Future River-Flows in the Karakoram and Himalayan Regions of Pakistan Using Snowmelt-Runoff Model and RCP Scenarios. Water (Switzerland), 2019, 11, 761.	1.2	48
395	Campaign-style U-Pb titanite petrochronology: Along-strike variations in timing of metamorphism in the Himalayan metamorphic core. Geoscience Frontiers, 2019, 10, 827-847.	4.3	23
396	Improved understanding of spring and stream water responses in headwaters of the Indian Lesser Himalaya using stable isotopes, conductivity and temperature as tracers. Hydrological Sciences Journal, 2019, 64, 757-770.	1.2	6
397	Evaluation of TRMM Precipitation Dataset over Himalayan Catchment: The Upper Ganga Basin, India. Water (Switzerland), 2019, 11, 613.	1.2	35
398	Scale effects of topographic ruggedness on precipitation over Qinghaiâ€Tibet Plateau. Atmospheric Science Letters, 2019, 20, e904.	0.8	4
399	Enhanced Himalayan Glacial Melting During YD and H1 Recorded in the Northern Bay of Bengal. Geochemistry, Geophysics, Geosystems, 2019, 20, 2449-2461.	1.0	11
400	Recession and Morphological Changes of the Debris-Covered Milam Glacier in Gori Ganga Valley, Central Himalaya, India, Derived From Satellite Data. Frontiers in Environmental Science, 2019, 7, .	1.5	19

#	Article	IF	Citations
401	Holocene monsoon and sea level-related changes of sedimentation in the northeastern Arabian Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2019, 166, 6-18.	0.6	16
402	Understanding and Tackling Poverty and Vulnerability in Mountain Livelihoods in the Hindu Kush Himalaya. , 2019, , 421-455.		22
403	The Formation of a Dryâ€Belt in the North Side of Central Himalaya Mountains. Geophysical Research Letters, 2019, 46, 2993-3000.	1.5	13
404	Glacier ablation and temperature indexed melt models in the Nepalese Himalaya. Scientific Reports, 2019, 9, 5264.	1.6	52
405	Evaluation of Gridded and In Situ Precipitation Datasets on Modeled Glacio-Hydrologic Response of a Small Glacierized Himalayan Catchment. Journal of Hydrometeorology, 2019, 20, 1103-1121.	0.7	7
406	Scales of Similarity and Disparity Between Drainage Networks. Geophysical Research Letters, 2019, 46, 3781-3790.	1.5	17
407	Combining Physically Based Modeling and Deep Learning for Fusing GRACE Satellite Data: Can We Learn From Mismatch?. Water Resources Research, 2019, 55, 1179-1195.	1.7	131
408	The reactive transport of Li as a monitor of weathering processes in kinetically limited weathering regimes. Earth and Planetary Science Letters, 2019, 511, 233-243.	1.8	26
409	Modeling Hydrological Response to Climate Change in a Data-Scarce Glacierized High Mountain Astore Basin Using a Fully Distributed TOPKAPI Model. Climate, 2019, 7, 127.	1.2	5
410	Deriving Bias and Uncertainty in MERRA-2 Snowfall Precipitation Over High Mountain Asia. Frontiers in Earth Science, 2019, 7, .	0.8	18
411	Precipitation Retrieval over the Tibetan Plateau from the Geostationary Orbitâ€"Part 1: Precipitation Area Delineation with Elektro-L2 and Insat-3D. Remote Sensing, 2019, 11, 2302.	1.8	7
412	On the Interest of Optical Remote Sensing for Seasonal Snowmelt Parameterization, Applied to the Everest Region (Nepal). Remote Sensing, 2019, 11, 2598.	1.8	5
413	Snow-Covered Area Retrieval from Himawari–8 AHI Imagery of the Tibetan Plateau. Remote Sensing, 2019, 11, 2391.	1.8	9
414	Recent glacier and lake changes in High Mountain Asia and their relation to precipitation changes. Cryosphere, 2019, 13, 2977-3005.	1.5	64
415	Bias Correction of Highâ€Resolution Regional Climate Model Precipitation Output Gives the Best Estimates of Precipitation in Himalayan Catchments. Journal of Geophysical Research D: Atmospheres, 2019, 124, 14220-14239.	1.2	30
416	Moisture Sources for Wintertime Intense Precipitation Events Over the Three Snowy Subregions of the Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2019, 124, 12708-12725.	1.2	10
417	Plant species richness across the Himalaya driven by evolutionary history and current climate. Ecosphere, 2019, 10, e02945.	1.0	39
418	Snowfall Variability Dictates Glacier Mass Balance Variability in Himalaya-Karakoram. Scientific Reports, 2019, 9, 18192.	1.6	60

#	Article	IF	CITATIONS
419	Late Holocene Landscape Collapse of a Transâ€Himalayan Dryland: Human Impact and Aridification. Geophysical Research Letters, 2019, 46, 13814-13824.	1.5	10
420	Quantifying the Congruence between Air and Land Surface Temperatures for Various Climatic and Elevation Zones of Western Himalaya. Remote Sensing, 2019, 11, 2889.	1.8	12
421	Quantifying snow darkening and atmospheric radiative effects of black carbon and dust on the South Asian monsoon and hydrological cycle: experiments using variable-resolution CESM. Atmospheric Chemistry and Physics, 2019, 19, 12025-12049.	1.9	31
422	Analysis of rainfall trends of two complex mountain river basins on the southern slopes of the Central Himalayas. Atmospheric Research, 2019, 215, 99-115.	1.8	31
423	Anthropogenic stresses on the world's big rivers. Nature Geoscience, 2019, 12, 7-21.	5.4	703
424	Drivers of elevational richness peaks, evaluated for trees in the east Himalaya. Ecology, 2019, 100, e02548.	1.5	23
425	Deciphering old moraine age distributions in SE Tibet showing bimodal climatic signal for glaciations: Marine Isotope Stages 2 and 6. Earth and Planetary Science Letters, 2019, 507, 105-118.	1.8	30
426	Untangling the water-food-energy-environment nexus for global change adaptation in a complex Himalayan water resource system. Science of the Total Environment, 2019, 655, 35-47.	3.9	93
427	Assessment of MODIS-Based Fractional Snow Cover Products Over the Tibetan Plateau. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 533-548.	2.3	27
428	Regional scale analysis of trends in rainfall using nonparametric methods and wavelet transforms over a semiâ€arid region in India. International Journal of Climatology, 2019, 39, 2737-2764.	1.5	22
429	Glacier meltwater and monsoon precipitation drive Upper Ganges Basin dissolved organic matter composition. Geochimica Et Cosmochimica Acta, 2019, 244, 216-228.	1.6	28
430	Climatology of Tibetan Plateau Vortices in Reanalysis Data and a High-Resolution Global Climate Model. Journal of Climate, 2019, 32, 1933-1950.	1.2	48
431	A method for monthly mapping of wet and dry snow using Sentinel-1 and MODIS: Application to a Himalayan river basin. International Journal of Applied Earth Observation and Geoinformation, 2019, 74, 222-230.	1.4	39
432	Simulation of snowmelt-runoff under climate change scenarios in a data-scarce mountain environment. International Journal of Digital Earth, 2019, 12, 910-930.	1.6	26
433	Tectonic control over exhumation in the Arunachal Himalaya: new constraints from Apatite Fission Track Analysis. Geological Society Special Publication, 2019, 481, 65-79.	0.8	10
434	Influence of inherited Indian basement faults on the evolution of the Himalayan Orogen. Geological Society Special Publication, 2019, 481, 251-276.	0.8	29
435	Modelling snowmelt runoff in Lidder River Basin using coupled model. International Journal of River Basin Management, 2020, 18, 167-175.	1.5	2
436	Multi-criteria Decision-Making Approaches to Agricultural Land Suitability Classification of Malda District, Eastern India. Natural Resources Research, 2020, 29, 2237-2256.	2.2	15

#	Article	IF	CITATIONS
437	Projected changes in extreme precipitation events over various subdivisions of India using RegCM4. Climate Dynamics, 2020, 54, 247-272.	1.7	34
438	Exploring climate change impacts during first half of the 21st century on flow regime of the transboundary Kabul River in the Hindukush region. Journal of Water and Climate Change, 2020, 11, 1521-1538.	1.2	10
439	Morphometric diversity of supply-limited and transport-limited river systems in the Himalayan foreland. Geomorphology, 2020, 348, 106882.	1.1	17
440	Climate futures for Western Nepal based on regional climate models in the CORDEXâ€SA. International Journal of Climatology, 2020, 40, 2201-2225.	1.5	13
441	Radiation and energy balance dynamics over a rapidly receding glacier in the central Himalaya. International Journal of Climatology, 2020, 40, 400-420.	1.5	15
442	Snow Cover Analysis in Chandra Basin of Western Himalaya from 2001 to 2016. Lecture Notes in Civil Engineering, 2020, , 557-566.	0.3	3
443	Climatic and hydrological projections to changing climate under CORDEX-South Asia experiments over the Karakoram-Hindukush-Himalayan water towers. Science of the Total Environment, 2020, 703, 135010.	3.9	23
444	Major ion chemistry and atmospheric CO2 consumption deduced from the Batal glacier, Lahaul–Spiti valley, Western Himalaya, India. Environment, Development and Sustainability, 2020, 22, 6585-6603.	2.7	7
445	Mapping Evapotranspiration, Vegetation and Precipitation Trends in the Catchment of the Shrinking Lake Poop \tilde{A}^3 . Remote Sensing, 2020, 12, 73.	1.8	11
446	Landscape dynamics and human-environment interactions in the northern foothills of Cho Oyu and Mount Everest (southern Tibet) during the Late Pleistocene and Holocene. Quaternary Science Reviews, 2020, 229, 106127.	1.4	4
447	High-resolution climatic (monsoonal) variability reconstructed from a continuous ~2700-year sediment record from Northwest Himalaya (Ladakh). Holocene, 2020, 30, 441-457.	0.9	19
448	Natural versus anthropogenic influence on trace elemental concentration in precipitation at Dokriani Glacier, central Himalaya, India. Environmental Science and Pollution Research, 2020, 27, 3462-3472.	2.7	4
449	Hydropower potential in the Kabul River under climate change scenarios in the XXI century. Theoretical and Applied Climatology, 2020, 139, 1415-1434.	1.3	22
450	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
451	Surface Deformation and Influence of Hydrological Mass Over Himalaya and North India Revealed From a Decade of Continuous GPS and GRACE Observations. Journal of Geophysical Research F: Earth Surface, 2020, 125, e2018JF004943.	1.0	18
452	Spatiotemporal snow cover characterization and its linkage with climate change over the Chenab river basin, western Himalayas. GIScience and Remote Sensing, 2020, 57, 882-906.	2.4	10
453	Climate controls on erosion in tectonically active landscapes. Science Advances, 2020, 6, .	4.7	75
454	Validation and calibration of soil $\hat{\Gamma}$ 2H and brGDGTs along (E-W) and strike (N-S) of the Himalayan climatic gradient. Geochimica Et Cosmochimica Acta, 2020, 290, 408-423.	1.6	6

#	Article	IF	CITATIONS
455	Identification of Potential Sites for Future Lake Formation and Expansion of Existing Lakes in Glaciers of Chandra Basin, Western Himalayas, India. Frontiers in Earth Science, 2020, 8, .	0.8	9
456	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.	1.3	6
457	Response of streamflow to climate variability in the source region of Jhelum River Basin in Kashmir valley, India. Natural Hazards, 2020, 104, 611-637.	1.6	5
458	Corrigendum to "Role of climate and vegetation density in modulating denudation rates in the Himalaya―[Earth Planet. Sci. Lett. 445 (2016) 57–67]. Earth and Planetary Science Letters, 2020, 540, 116252.	1.8	1
459	Modeling ice thickness distribution and storage volume of glaciers in Chandra Basin, western Himalayas. Journal of Mountain Science, 2020, 17, 2011-2022.	0.8	15
460	Variation of Melt Water and Rainfall Runoff and Their Impacts on Streamflow Changes during Recent Decades in Two Tibetan Plateau Basins. Water (Switzerland), 2020, 12, 3112.	1.2	21
461	Annually Resolved Monsoon Onset and Withdrawal Dates Across the Himalayas Derived From Local Precipitation Statistics. Geophysical Research Letters, 2020, 47, e2020GL088420.	1.5	8
462	Seven centuries of reconstructed Brahmaputra River discharge demonstrate underestimated high discharge and flood hazard frequency. Nature Communications, 2020, 11, 6017.	5.8	58
463	Precipitation Characteristics and Moisture Source Regions on Mt. Everest in the Khumbu, Nepal. One Earth, 2020, 3, 594-607.	3.6	23
464	The impacts of climate change on the winter water cycle of the western Himalaya. Climate Dynamics, 2020, 55, 2287-2307.	1.7	11
465	Atmospheric dynamics of extreme discharge events from 1979 to 2016 in the southern Central Andes. Climate Dynamics, 2020, 55, 3485-3505.	1.7	6
466	Predicting hydrologic responses to climate changes in highly glacierized and mountainous region Upper Indus Basin. Royal Society Open Science, 2020, 7, 191957.	1.1	30
467	Headwater Flow Geochemistry of Mount Everest (Upper Dudh Koshi River, Nepal). Frontiers in Earth Science, 2020, 8, .	0.8	2
468	Changes in Snow Cover Dynamics over the Indus Basin: Evidences from 2008 to 2018 MODIS NDSI Trends Analysis. Remote Sensing, 2020, 12, 2782.	1.8	22
469	Surging Dynamics of Glaciers in the Hunza Valley under an Equilibrium Mass State since 1990. Remote Sensing, 2020, 12, 2922.	1.8	19
470	Enhancing production and flow of freshwater ecosystem services in a managed Himalayan river system under uncertain future climate. Climatic Change, 2020, 162, 343-361.	1.7	22
471	Assessing Multi-Temporal Snow-Volume Trends in High Mountain Asia From 1987 to 2016 Using High-Resolution Passive Microwave Data. Frontiers in Earth Science, 2020, 8, .	0.8	10
472	Spatial Distribution and Temporal Trends in the Daily Precipitation Concentration across the Yarlung Tsangpo River Basin: Eastern Himalaya of China. Advances in Meteorology, 2020, 2020, 1-11.	0.6	1

#	Article	IF	CITATIONS
473	Precipitation correction and reconstruction for streamflow simulation based on 262 rain gauges in the upper Brahmaputra of southern Tibetan Plateau. Journal of Hydrology, 2020, 590, 125484.	2.3	32
474	How a river $\hat{\mathbf{a}} \in \mathbb{T}^{M}$ s length and discharge relate to the precipitation in its basin. Sustainable Water Resources Management, 2020, 6, 1.	1.0	0
475	Spatio-temporal distribution of water availability in Karnali-Mohana Basin, Western Nepal: Hydrological model development using multi-site calibration approach (Part-A). Journal of Hydrology: Regional Studies, 2020, 29, 100690.	1.0	18
476	Mass-balance observation, reconstruction and sensitivity of Stok glacier, Ladakh region, India, between 1978 and 2019. Journal of Glaciology, 2020, 66, 627-642.	1.1	36
477	Assessment of high-resolution satellite rainfall products over a gradually elevating mountainous terrain based on a high-density rain gauge network. International Journal of Remote Sensing, 2020, 41, 5620-5644.	1.3	14
478	Variation of deuterium excess in surface waters across a 5000-m elevation gradient in eastern Nepal. Journal of Hydrology, 2020, 586, 124802.	2.3	4
479	Orbital Forcing of Late Miocene–Early Pleistocene Environmental Change in the Zhada Basin, SW Tibetan Plateau. Paleoceanography and Paleoclimatology, 2020, 35, e2019PA003781.	1.3	3
480	Assimilation of Snowmelt Runoff Model (SRM) Using Satellite Remote Sensing Data in Budhi Gandaki River Basin, Nepal. Remote Sensing, 2020, 12, 1951.	1.8	15
481	Deciphering relationships between the Nicobar and Bengal submarine fans, Indian Ocean. Earth and Planetary Science Letters, 2020, 544, 116329.	1.8	18
482	Assessment of trends of land surface vegetation distribution, snow cover and temperature over entire Himachal Pradesh using MODIS datasets. Natural Resource Modelling, 2020, 33, .	0.8	17
483	Late-Holocene climate response and glacial fluctuations revealed by the sediment record of the monsoon-dominated Chorabari Lake, Central Himalaya. Holocene, 2020, 30, 953-965.	0.9	8
484	Triple oxygen isotope insight into terrestrial pyrite oxidation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7650-7657.	3.3	39
485	Modeling the future impacts of climate change on water availability in the Karnali River Basin of Nepal Himalaya. Environmental Research, 2020, 185, 109430.	3.7	55
486	Influence of orographic precipitation on the topographic and erosional evolution of mountain ranges. Basin Research, 2020, 32, 1574-1599.	1.3	9
487	A Case Study on Assessing Cumulonimbus Induced Flight Vulnerabilities Over the Nepalese Himalayan Terrain. Pure and Applied Geophysics, 2020, 177, 5041-5066.	0.8	3
488	MATLAB functions for extracting hypsometry, stream-length gradient index, steepness index, chi gradient of channel and swath profiles from digital elevation model (DEM) and other spatial data for landscape characterisation. Applied Computing and Geosciences, 2020, 7, 100033.	1.0	31
489	Glacier mapping and change analysis in Chandra basin, Western Himalaya, India during 1971–2016. International Journal of Remote Sensing, 2020, 41, 6914-6945.	1.3	22
490	Uncertainties in river discharge simulations of the upper Indus basin in the Western Himalayas. Journal of Earth System Science, 2020, 129, 1.	0.6	4

#	Article	IF	CITATIONS
491	Atmospheric Bridge Connecting the Barents Sea Ice and Snow Depth in the Mid-West Tibetan Plateau. Frontiers in Earth Science, 2020, 8, .	0.8	5
492	Snow cover area analysis and its relation with climate variability in Chandra basin, Western Himalaya, during 2001–2017 using MODIS and ERA5 data. Environmental Monitoring and Assessment, 2020, 192, 489.	1.3	22
493	A New and Simplified Approach for Estimating the Daily River Discharge of the Tibetan Plateau Using Satellite Precipitation: An Initial Study on the Upper Brahmaputra River. Remote Sensing, 2020, 12, 2103.	1.8	6
494	Precipitation Retrieval over the Tibetan Plateau from the Geostationary Orbitâ€"Part 2: Precipitation Rates with Elektro-L2 and Insat-3D. Remote Sensing, 2020, 12, 2114.	1.8	3
495	Variations in organic carbon sourcing along a trans-Himalayan river determined by a Bayesian mixing approach. Geochimica Et Cosmochimica Acta, 2020, 286, 159-176.	1.6	17
496	Comparison of modeled snow properties in Afghanistan, Pakistan, and Tajikistan. Cryosphere, 2020, 14, 331-347.	1.5	14
498	Groundâ€Based Observations Reveal Unique Valley Precipitation Patterns in the Central Himalaya. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031502.	1.2	26
499	Applications of SAR Interferometric Coherence Time Series: Spatiotemporal Dynamics of Geomorphic Transitions in the Southâ€Central Andes. Journal of Geophysical Research F: Earth Surface, 2020, 125, e2019JF005141.	1.0	10
500	Warming and drying over the central Himalaya caused by an amplification of local mountain circulation. Npj Climate and Atmospheric Science, 2020, 3, .	2.6	63
501	Precipitation variations recorded in tree rings from the upper Salween and Brahmaputra River valleys, China. Ecological Indicators, 2020, 113, 106189.	2.6	10
502	Rapid exhumation since at least 13 Ma in the Himalaya recorded by detrital apatite fission-track dating of Bengal fan (IODP Expedition 354) and modern Himalayan river sediments. Earth and Planetary Science Letters, 2020, 534, 116078.	1.8	12
503	A new Western Disturbance Index for the Indian winter monsoon. Journal of Earth System Science, 2020, 129, 1.	0.6	42
504	Early Holocene Indian summer monsoon and its impact on vegetation in the Central Himalaya: Insight from Î'D and Î' ¹³ C values of leaf wax lipid. Holocene, 2020, 30, 1063-1074.	0.9	15
505	How Important Is Meltwater to the Chamkhar Chhu Headwaters of the Brahmaputra River?. Frontiers in Earth Science, 2020, 8, .	0.8	5
506	Modeling of aerosol induced snow albedo feedbacks over the Himalayas and its implications on regional climate. Climate Dynamics, 2020, 54, 4191-4210.	1.7	39
507	Snow and glacier melt runoff simulation under variable altitudes and climate scenarios in Gilgit River Basin, Karakoram region. Modeling Earth Systems and Environment, 2020, 6, 1607-1618.	1.9	8
508	A Sequentially Coupled Catchmentâ€Scale Numerical Model for Snowmeltâ€Induced Soil Slope Instabilities. Journal of Geophysical Research F: Earth Surface, 2020, 125, e2019JF005468.	1.0	14
509	Using clast geometries to establish paleoriver discharges: Testing records for aggradation and incision from the upper Indus River, Ladakh Himalaya. Geomorphology, 2020, 362, 107202.	1.1	3

#	Article	IF	CITATIONS
510	Spatio-temporal fluctuations over Chorabari glacier, Garhwal Himalaya, India between 1976 and 2017. Quaternary International, 2021, 575-576, 178-189.	0.7	7
511	Recessional pattern of Thelu and Swetvarn glaciers between 1968 and 2019, Bhagirathi basin, Garhwal Himalaya, India. Quaternary International, 2021, 575-576, 227-235.	0.7	33
512	WRFâ€based dynamical downscaling of <scp>ERA5</scp> reanalysis data for High Mountain Asia: Towards a new version of the High Asia Refined analysis. International Journal of Climatology, 2021, 41, 743-762.	1.5	97
513	Analysis of the spatial Distribution of precipitation and topography with GPM data in the Tibetan Plateau. Atmospheric Research, 2021, 247, 105259.	1.8	41
514	Performance of 4D-Var Data Assimilation on Extreme Snowfall Forecasts over the Western Himalaya Using WRF Model. Asia-Pacific Journal of Atmospheric Sciences, 2021, 57, 555-571.	1.3	0
515	Rainfall variability over the Indus, Ganga, and Brahmaputra river basins: A spatio-temporal characterisation. Quaternary International, 2021, 575-576, 280-294.	0.7	23
517	Rockwall Slope Erosion in the Northwestern Himalaya. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2020JF005619.	1.0	6
518	Spatiotemporal Variability in Snow Parameters from MODIS Data Using Spatially Distributed Snowmelt Runoff Model (SDSRM): a Case Study in Dibang Basin, Arunachal Pradesh. Journal of the Indian Society of Remote Sensing, 2021, 49, 325-340.	1.2	3
519	Major geomorphic events and natural hazards during monsoonal precipitation 2018 in the Kali Gandaki Valley, Nepal Himalaya. Geomorphology, 2021, 372, 107451.	1.1	17
520	Impact of fault damage on eastern Tibet topography. Geology, 2021, 49, 30-34.	2.0	16
522	Spatio-Temporal Patterns of Mass Changes in Himalayan Glaciated Region from EOF Analyses of GRACE Data. Remote Sensing, 2021, 13, 265.	1.8	4
523	Pakistan's Water Resources: Overview and Challenges. World Water Resources, 2021, , 1-12.	0.4	2
524	Glacial mass change–induced earthquakes in the Himalayan region of South Asia and its bearing to understand Arctic glaciers dynamics: proxy of climate change. , 2021, , 433-455.		2
525	Central Himalayan tree-ring isotopes reveal increasing regional heterogeneity and enhancement in ice mass loss since the 1960s. Cryosphere, 2021, 15, 95-112.	1.5	7
526	Multiscale Comparative Evaluation of the GPM and TRMM Precipitation Products Against Ground Precipitation Observations Over Chinese Tibetan Plateau. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 2295-2313.	2.3	18
527	Remote Sensing Based Assessment of Glacier Resources in Parts of Ladakh Mountain Range, a Trans-Himalayan Region. Geography of the Physical Environment, 2021, , 85-100.	0.2	3
528	Precipitation Characteristics and Future Changes Over the Southern Slope of Tibetan Plateau Simulated by a Highâ€Resolution Global Nonhydrostatic Model. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033630.	1.2	10
529	Climatic trends variability and concerning flow regime of Upper Indus Basin, Jehlum, and Kabul river basins Pakistan. Theoretical and Applied Climatology, 2021, 144, 447-468.	1.3	31

#	Article	IF	CITATIONS
530	Deposition of light-absorbing particles in glacier snow of the Sunderdhunga Valley, the southern forefront of the central Himalayas. Atmospheric Chemistry and Physics, 2021, 21, 2931-2943.	1.9	6
531	Glacial change and hydrological implications in the Himalaya and Karakoram. Nature Reviews Earth & Environment, 2021, 2, 91-106.	12.2	182
532	Coupling threshold theory and satellite-derived channel width to estimate the formative discharge of Himalayan foreland rivers. Earth Surface Dynamics, 2021, 9, 47-70.	1.0	4
533	Diurnal Variations of Precipitation over the Steep Slopes of the Himalayas Observed by TRMM PR and VIRS. Advances in Atmospheric Sciences, 2021, 38, 641-660.	1.9	9
534	Satellite Observations of the Tropical Terrestrial Carbon Balance and Interactions With the Water Cycle During the 21st Century. Reviews of Geophysics, 2021, 59, e2020RG000711.	9.0	13
535	River body extraction from sentinel-2A/B MSI images based on an adaptive multi-scale region growth method. Remote Sensing of Environment, 2021, 255, 112297.	4.6	23
536	Remote Detection of Surge-Related Glacier Terminus Change across High Mountain Asia. Remote Sensing, 2021, 13, 1309.	1.8	13
537	Evaluation of High Mountain Asiaâ€Land Data Assimilation System (Version 1) From 2003 to 2016, Part I: A Hyperâ€Resolution Terrestrial Modeling System. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034131.	1.2	5
538	Climate-driven late Quaternary fan surface abandonment in the NW Himalaya. , 2021, , .		1
539	The Influence of Key Climate Variables on Mass Balance of Naimona'nyi Glacier on a Northâ€Facing Slope in the Western Himalayas. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033956.	1.2	14
540	Convection, Terrestrial Recycling and Oceanic Moisture Regulate the Isotopic Composition of Precipitation at Srinagar, Kashmir. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD032853.	1.2	8
541	Late Cenozoic Denudation and Topographic Evolution History of the Lhasa River Drainage in Southern Tibetan Plateau: Insights From Inverse Thermal History Modeling. Frontiers in Earth Science, 2021, 9, .	0.8	7
542	Towards climate-adaptive development of small hydropower projects in Himalaya: A multi-model assessment in upper Beas basin. Journal of Hydrology: Regional Studies, 2021, 34, 100797.	1.0	6
543	Black carbon over a central Himalayan Glacier (Satopanth): Pathways and direct radiative impacts. Science of the Total Environment, 2021, 766, 144242.	3.9	12
544	Topographic stress control on bedrock landslide size. Nature Geoscience, 2021, 14, 307-313.	5.4	21
545	Hydrological Process Simulation of Sluice-Controlled Rivers in the Plains Area of China Based on an Improved SWAT Model. Water Resources Management, 2021, 35, 1817-1835.	1.9	8
546	Coupled Rapid Erosion and Foreland Sedimentation Control Orogenic Wedge Kinematics in the Himalayan Thrust Belt of Central Nepal. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021256.	1.4	12
547	Variable 21st Century Climate Change Response for Rivers in High Mountain Asia at Seasonal to Decadal Time Scales. Water Resources Research, 2021, 57, e2020WR029266.	1.7	63

#	ARTICLE	IF	CITATIONS
548	Effect of aerosol-induced snow darkening on the direct radiative effect of aerosols over the Himalayan region. Environmental Research Letters, 2021, 16, 064004.	2.2	17
549	Subsurface Moisture Regulates Himalayan Groundwater Storage and Discharge. AGU Advances, 2021, 2, e2021AV000398.	2.3	20
550	Impacts of Climate Change on Irrigation Water Management in the Babai River Basin, Nepal. Hydrology, 2021, 8, 85.	1.3	6
551	Effect of climate and socioeconomic changes on future surface water availability from mountainous water sources in Pakistan's Upper Indus Basin. Science of the Total Environment, 2021, 769, 144820.	3.9	16
552	Estimation of apparent thermal diffusivity of soil at lesser-Himalayan experimental catchment, Uttarakhand, India, for analytical subsoil temperature modelling. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	0
553	Surface mass balance analysis at Naradu Glacier, Western Himalaya, India. Scientific Reports, 2021, 11, 12710.	1.6	8
554	Glaciohydrology of the Himalaya-Karakoram. Science, 2021, 373, .	6.0	90
555	Comparison of Snowmelt Runoff from the River Basins in the Eastern and Western Himalayan Region of India using SDSRM. Journal of the Indian Society of Remote Sensing, 2021, 49, 2291-2309.	1.2	4
556	Analysis of spatiotemporal variation in the snow cover in Western Hindukush-Himalaya region. Geocarto International, 2022, 37, 6602-6624.	1.7	6
557	Climate change decisive for Asia's snow meltwater supply. Nature Climate Change, 2021, 11, 591-597.	8.1	131
558	Quantifying Patterns of Supraglacial Debris Thickness and Their Glaciological Controls in High Mountain Asia. Frontiers in Earth Science, 2021, 9, .	0.8	5
559	Apatite and zircon fission-track thermochronology constraining the interplay between tectonics, topography and exhumation, Arunachal Himalaya. Journal of Earth System Science, 2021, 130, 1.	0.6	5
560	Tectonically dominant surface denudation and topography in the Himalaya: Evidence from coupling between bedrock channel and valley hillslope topographies. Terra Nova, 0, , .	0.9	3
561	Controls of outbursts of moraine-dammed lakes in the greater Himalayan region. Cryosphere, 2021, 15, 4145-4163.	1.5	10
562	Pulsed carbon export from mountains by earthquake-triggered landslides explored in a reduced-complexity model. Earth Surface Dynamics, 2021, 9, 823-844.	1.0	10
563	Distribution and relevance of aufeis (icing) in the Upper Indus Basin. Science of the Total Environment, 2021, 780, 146604.	3.9	20
564	Analysis of the groundwater flow system in a high-altitude headwater region under rapid climate warming: Lhasa River Basin, Tibetan Plateau. Journal of Hydrology: Regional Studies, 2021, 36, 100871.	1.0	6
565	Measuring precipitation in Eastern Himalaya: Ground validation of eleven satellite, model and gauge interpolated gridded products. Journal of Hydrology, 2021, 599, 126252.	2.3	30

#	ARTICLE	IF	CITATIONS
566	Mass balances of Yala and Rikha Samba glaciers, Nepal, from 2000 to 2017. Earth System Science Data, 2021, 13, 3791-3818.	3.7	13
567	Basin-Morph (MATLAB tool) for basin morphometric characterization along the tectonically active Shillong Plateau front, India. Environmental Earth Sciences, 2021, 80, 1.	1.3	3
568	Recent advances in the remote sensing of alpine snow: a review. GIScience and Remote Sensing, 2021, 58, 852-888.	2.4	19
569	Isoscape of Surface Runoff in High Mountain Catchments: An Alternate Model for Meteoric Water Characterization and Its Implications. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033950.	1.2	5
570	Partitioning Solid and Liquid Precipitation over the Tibetan Plateau Based on Satellite Radar Observations. Journal of Hydrometeorology, 2021, , .	0.7	2
571	An application of multipleâ€point statistics downscaling approach over <scp>Northâ€West</scp> Himalayas in avalancheâ€prone areas. International Journal of Climatology, 2022, 42, 1902-1921.	1.5	7
572	Impact of Changing Concavity Indices on Channel Steepness and Divide Migration Metrics. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2020JF006060.	1.0	24
573	High-altitude meteorology of Indian Himalayan Region: complexities, effects, and resolutions. Environmental Monitoring and Assessment, 2021, 193, 654.	1.3	8
574	Detection of Spatial Rainfall Variation over the Andean Region Demonstrated by Satellite-Based Observations. Atmosphere, 2021, 12, 1204.	1.0	0
575	Glacier Velocity Changes in the Himalayas in Relation to Ice Mass Balance. Remote Sensing, 2021, 13, 3825.	1.8	14
576	The Great Glacier and Snow-Dependent Rivers of Asia and Climate Change: Heading for Troubled Waters. Water Resources Development and Management, 2022, , 223-250.	0.3	10
577	Surface composition of debris-covered glaciers across the Himalaya using linear spectral unmixing of Landsat 8 OLI imagery. Cryosphere, 2021, 15, 4557-4588.	1.5	9
578	Melting of the Chhota Shigri Glacier, Western Himalaya, Insensitive to Anthropogenic Emission Residues: Insights From Geochemical Evidence. Geophysical Research Letters, 2021, 48, e2021GL092801.	1.5	5
579	Spatial variability of south Asian summer monsoon extreme rainfall events and their association with global climate indices. Journal of Atmospheric and Solar-Terrestrial Physics, 2021, 221, 105708.	0.6	10
580	Monsoon controls on sediment generation and transport: Mass budget and provenance constraints from the Indus River catchment, delta and submarine fan over tectonic and multimillennial timescales. Earth-Science Reviews, 2021, 220, 103682.	4.0	36
581	Spatial and temporal patterns of snowmelt refreezing in a Himalayan catchment. Journal of Glaciology, 0, , 1-21.	1.1	3
582	Summer afternoon precipitation associated with wind convergence near the Himalayan glacier fronts. Atmospheric Research, 2021, 259, 105658.	1.8	10
583	Trends in Snow Cover Duration Across River Basins in High Mountain Asia From Daily Gap-Filled MODIS Fractional Snow Covered Area. Frontiers in Earth Science, 2021, 9, .	0.8	7

#	Article	IF	CITATIONS
584	Probability of glacial lake outburst flooding in the Himalaya. Resources, Environment and Sustainability, 2021, 5, 100031.	2.9	10
585	Glacial changes over the Himalayan Beas basin under global warming. Journal of Environmental Management, 2021, 295, 113101.	3.8	15
586	Understanding hydrogeomorphic and climatic controls on soil erosion and sediment dynamics in large Himalayan basins. Science of the Total Environment, 2021, 795, 148972.	3.9	7
587	Assessing the snow cover dynamics and its relationship with different hydro-climatic characteristics in Upper Ganges river basin and its sub-basins. Science of the Total Environment, 2021, 793, 148648.	3.9	8
588	Deciphering the role of meteorological parameters controlling the sediment load and water discharge in the Sutlej basin, Western Himalaya. Journal of Environmental Management, 2021, 298, 113413.	3.8	6
589	Characterizing rainfall occurrence in India: Natural variability and recent trends. Journal of Hydrology, 2021, 603, 126979.	2.3	7
590	Potential Influences of Middle and Lower Crustal Flow on Landscape Evolution: Insights From the Himalayan-Tibetan Orogen. , $2021, \ldots$		1
591	What Is the Future of the Lower Mekong Basin Struggling against Human Activities? A Review. , 0, , .		3
592	Spatially Variable Precipitation and Its Influence on Water Balance in a Headwater Alpine Basin, Nepal. Water (Switzerland), 2021, 13, 254.	1.2	1
593	Glacier Melt Water Characteristics of Hamtah Glacier, Lahaul and Spiti District, Himachal Pradesh, India., 2020,, 169-186.		1
594	Geomorphological Changes During Quaternary Period Vis a Vis Role of Climate and Tectonics in Ladakh, Trans-Himalaya. , 2020, , 159-183.		3
595	Glacio-Hydrological Degree-Day Model (GDM) Useful for the Himalayan River Basins. , 2020, , 379-398.		6
596	Hydrology of the Himalayas. , 2020, , 419-450.		21
597	Climate Change Trends and Ecosystem Resilience in the Hindu Kush Himalayas. , 2020, , 525-552.		12
598	Variations in the Seasonal Snow Cover Area (SCA) for Upper Bhagirathi Basin, India. Society of Earth Scientists Series, 2015, , 9-21.	0.2	9
599	Critical Evaluation and Assessment of Average Annual Precipitation in The Indus, The Ganges and The Brahmaputra Basins, Northern India. Society of Earth Scientists Series, 2015, , 67-84.	0.2	5
600	Glaciers and Monsoon Systems. Springer Climate, 2016, , 225-249.	0.3	2
601	Impact of Climate Change on Water Resources in Indian Himalaya. , 2016, , 487-507.		6

#	Article	IF	CITATIONS
602	Susceptibility assessment of rainfall induced debris flow zones in Ladakh–Nubra region, Indian Himalaya. Journal of Earth System Science, 2020, 129, 1.	0.6	17
603	Climate Vulnerability, Water Vulnerability. Developments in Earth Surface Processes, 2016, 21, 279-308.	2.8	2
605	Modeling Hydrological Processes in Ungauged Snow-Fed Catchment of Western Himalaya. Water Resources, 2020, 47, 987-995.	0.3	6
606	Understanding groundwater recharge processes in the Sutlej-Yamuna plain in NW India using an isotopic approach. Geological Society Special Publication, 0, , SP507-2020-174.	0.8	10
607	Climate Change Impacts on the Upper Indus Hydrology: Sources, Shifts and Extremes. PLoS ONE, 2016, 11, e0165630.	1.1	234
608	Reservoir's Impact on the Water Chemistry of the Teesta River Mountain Course (Darjeeling Himalaya). Ecological Chemistry and Engineering S, 2018, 25, 73-88.	0.3	9
609	Snowmelt Runoff Modelling under Projected Climate Change Patterns in the Gilgit River Basin of Northern Pakistan. Polish Journal of Environmental Studies, 2017, 26, 525-542.	0.6	35
610	Daily runoff simulation in Ravansar Sanjabi basin, Kermanshah, Iran, using remote sensing through SRM model and comparison to SWAT model. Applied Ecology and Environmental Research, 2017, 15, 1843-1862.	0.2	2
611	Rivers in the Himalaya: Responses to Neotectonics and Past Climate. Proceedings of the Indian National Science Academy, 2016, 82, .	0.5	5
612	An Observation on Morphogenetic Response of Marchantia polymorpha subsp. ruderalis Bischl. and BoisselDub. in Different Culture Media. International Journal of Plant and Environment, 2018, 4, 64-69.	0.2	1
614	Field Study of Mass Balance, and Hydrology of the West Khangri Nup Glacier (Khumbu, Everest). Water (Switzerland), 2020, 12, 433.	1.2	3
615	Climate change and water resources in the Himalayas. Revue De Geographie Alpine, 2015, , .	0.1	22
616	Projection of Future Precipitation and Temperature Change over the Transboundary Koshi River Basin Using Regional Climate Model PRECIS. Atmospheric and Climate Sciences, 2018, 08, 163-191.	0.1	5
617	Impact of topography on black carbon transport to the southern Tibetan Plateau during the pre-monsoon season and its climatic implication. Atmospheric Chemistry and Physics, 2020, 20, 5923-5943.	1.9	25
618	A consistent glacier inventory for Karakoram and Pamir derived from Landsat data: distribution of debris cover and mapping challenges. Earth System Science Data, 2018, 10, 1807-1827.	3.7	86
619	Timing of exotic, far-traveled boulder emplacement and paleo-outburst flooding in the central Himalayas. Earth Surface Dynamics, 2020, 8, 769-787.	1.0	19
628	Analyzing Spatiotemporal Patterns of Extreme Precipitation Events in Southeastern Anatolia. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-7/W2, 195-200.	0.2	4
629	Bias correction of a gauge-based gridded product to improve extreme precipitation analysis in the Yarlung Tsangpo–Brahmaputra River basin. Natural Hazards and Earth System Sciences, 2020, 20, 2243-2254.	1.5	11

#	Article	IF	CITATIONS
630	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
644	The Himalayas: from mountain building to landform evolution in a changing world. Geographia Polonica, 2011, 84, 15-37.	0.3	12
645	Grand Challenges of Hydrologic Modeling for Food-Energy-Water Nexus Security in High Mountain Asia. Frontiers in Water, 2021, 3, .	1.0	5
646	Mapping flood extend and its impact on land use/land cover and settlements variations: a case study of Layyah District, Punjab, Pakistan. Acta Geophysica, 2021, 69, 2291-2304.	1.0	5
647	Exploring trade-offs between SDGs for Indus River Dolphin conservation and human water security in the regulated Beas River, India. Sustainability Science, 2022, 17, 1619-1637.	2.5	7
649	Winter and spring atmospheric rivers in High Mountain Asia: climatology, dynamics, and variability. Climate Dynamics, 2022, 58, 2309-2331.	1.7	9
650	Flood signals in tree-ring $\hat{\Gamma}$ 180 and wood anatomical parameters of Lagerstroemia speciosa: Implications for developing flood management strategies in Bangladesh. Science of the Total Environment, 2022, 809, 151125.	3.9	2
651	State of Himalayan cryosphere and implications for water security. Water Security, 2021, 14, 100101.	1.2	18
652	Challenge of Climate Change in Himalayan Asia. , 2013, , 19-42.		0
654	Rule Based Classification of Potential Snow Avalanche Areas. Natural Resources and Conservation, 2014, 2, 11-24.	0.2	5
656	Multivariate statistical analysis of water environment for Niyang River, the branch of the Yarlung Zangbo River, Tibet. Hupo Kexue/Journal of Lake Sciences, 2015, 27, 1187-1196.	0.3	0
657	Changement climatique et ressource en eau en Himalaya. Revue De Geographie Alpine, 2015, , .	0.1	3
659	Statistical and Hydrologic Evaluation of TRMM Based Multisatellite Precipitation Analysis over the Wangchu Basin of Bhutan., 2016,, 103-125.		0
661	Fish Distribution and Management Strategy for Improve Biodiversity in Created Wetlands Located at Nakdong River Basin. Han'gug Hwan'gyeong Saengtae Haghoeji = Korean Journal of Environment and Ecology, 2018, 32, 274-288.	0.1	0
662	Stream Discharge Response to Climate Change and Land Use Change in Tamor Basin, Nepal. International Journal of Engineering Technology and Sciences, 2018, 5, 50-62.	0.1	1
663	Using passive microwave data to understand spatio-temporal trends and dynamics in snow-water storage in High Mountain Asia. , 2018 , , .		0
664	Climate Variability and Extreme Weather in High Mountain Asia: Observation and Modelling. , 2020, , 109-117.		1
665	Remotely Sensed Rain and Snowfall in the Himalaya. , 2020, , 119-139.		0

#	Article	IF	CITATIONS
666	Bias correction demonstration in two of the Indian Himalayan river basins. Journal of Water and Climate Change, 2021, 12, 1297-1309.	1.2	5
667	SIGNIFICANCE OF REMOTE SENSING BASED PRECIPITATION AND TERRAIN INFORMATION FOR IMPROVED HYDROLOGICAL AND HYDRODYNAMIC SIMULATION IN PARTS OF HIMALAYAN RIVER BASINS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2020. 911-918.	0.2	1
668	Streamflow modeling and contribution of snow and glacier melt runoff in glacierized Upper Indus Basin. Environmental Monitoring and Assessment, 2021, 193, 761.	1.3	1
669	Climate change in the High Mountain Asia in CMIP6. Earth System Dynamics, 2021, 12, 1061-1098.	2.7	40
670	Modelling Permafrost Distribution in Western Himalaya Using Remote Sensing and Field Observations. Remote Sensing, 2021, 13, 4403.	1.8	11
671	Climate-tectonic imprints on the Late Quaternary Ravi River Valley Terraces of the Chamba region in the NW Himalaya. Journal of Asian Earth Sciences, 2022, 223, 104990.	1.0	9
673	Clustering stream profiles to understand the geomorphological features and evolution of the Yangtze River by using DEMs. Journal of Chinese Geography, 2021, 31, 1555-1574.	1.5	1
674	Bulk Processing of Multi-Temporal Modis Data, Statistical Analyses and Machine Learning Algorithms to Understand Climate Variables in the Indian Himalayan Region. Sensors, 2021, 21, 7416.	2.1	22
675	Application of tree rings in understanding long-term variability in river discharge of high Himalayas, India., 2022,, 247-264.		0
676	Spatiotemporal distribution of seasonal snow water equivalent in High Mountain Asia from an 18-year Landsat–MODIS era snow reanalysis dataset. Cryosphere, 2021, 15, 5261-5280.	1.5	20
677	Coarse-grained meandering distributive fluvial system of the basal Cedar Mountain Formation, U.S.A Journal of Sedimentary Research, 2021, 91, 1188-1205.	0.8	1
678	Hydrogeochemical characteristics of the Indus river water system. Chemistry and Ecology, 2021, 37, 780-808.	0.6	10
679	Changes in glacial lakes in the Poiqu River basin in the central Himalayas. Hydrology and Earth System Sciences, 2021, 25, 5879-5903.	1.9	6
680	Can we use precipitation isotope outputs of isotopic general circulation models to improve hydrological modeling in large mountainous catchments on the Tibetan Plateau?. Hydrology and Earth System Sciences, 2021, 25, 6151-6172.	1.9	14
681	Millennial-scale variability of Indian summer monsoon constrained by the western Bay of Bengal sediments: Implication from geochemical proxies of sea surface salinity and river runoff. Global and Planetary Change, 2022, 208, 103719.	1.6	5
682	Dynamical and thermodynamical interactions in daily precipitation regimes in the Western Himalayas. International Journal of Climatology, 2022, 42, 4909-4924.	1.5	1
683	Temperature and precipitation changes over the glaciated parts of Indian Himalayan Region during 1901–2016. Environmental Monitoring and Assessment, 2022, 194, 84.	1.3	4
684	Warming winter, drying spring and shifting hydrological regimes in Northeast China under climate change. Journal of Hydrology, 2022, 606, 127390.	2.3	20

#	Article	IF	CITATIONS
685	Chemical and isotopic variability of Bhagirathi river water (Upper Ganga), Uttarakhand, India. , 2022, , 133-146.		2
686	Snow cover variability and trend over the Hindu Kush Himalayan region using MODIS and SRTM data. Annales Geophysicae, 2022, 40, 67-82.	0.6	12
687	Contemporary Trends in High and Low River Flows in Upper Indus Basin, Pakistan. Water (Switzerland), 2022, 14, 337.	1.2	5
688	Sustenance of Himalayan springs in an emerging water crisis. Environmental Monitoring and Assessment, 2022, 194, 87.	1.3	7
689	Tectonothermal evolution of the Lohit Valley, Eastern Himalaya: New <scp>lowâ€ŧemperature</scp> thermochronological constraints. Geological Journal, 2022, 57, 537-556.	0.6	4
690	Mieux appréhender la neige par le croisement de données qualitatives et quantitatives dans la région de l'Everest (Népal). Revue De Geographie Alpine, 2022, , .	0.1	0
691	A Novel Approach to Validate Satellite Snowfall Retrievals by Ground-Based Point Measurements. Remote Sensing, 2022, 14, 434.	1.8	2
692	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
693	Improving Knowledge about Snow by Crossing Qualitative and Quantitative Data from the Everest Region (Nepal). Revue De Geographie Alpine, 2022, , .	0.1	0
694	Assessment of cloudbursts, extreme rainfall and vulnerable regions in the Upper Ganga basin, Uttarakhand, India. International Journal of Disaster Risk Reduction, 2022, 69, 102744.	1.8	13
695	Nearâ€Surface Geomechanical Properties and Weathering Characteristics Across a Tectonic and Climatic Gradient in the Central Nepal Himalaya. Journal of Geophysical Research F: Earth Surface, 2022, 127, .	1.0	4
696	Seismic Velocity Recovery in the Subsurface: Transient Damage and Groundwater Drainage Following the 2015 Gorkha Earthquake, Nepal. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	11
697	Delineating Flood Zones upon Employing Synthetic Aperture Data for the 2020 Flood in Bangladesh. Earth Systems and Environment, 2022, 6, 733-743.	3.0	7
698	Assessment of runoff in Chandra river basin of Western Himalaya using Remote Sensing and GIS Techniques. Environmental Monitoring and Assessment, 2022, 194, 145.	1.3	3
699	Increasing Incidence of Droughts Since Later Part of Little Ice Age Over Northâ€Western Himalaya, India. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	4
700	Effects of Aerosol–Induced Snow Albedo Feedback on the Seasonal Snowmelt Over the Himalayan Region. Water Resources Research, 2022, 58, .	1.7	8
701	Longâ€term spatiotemporal variability in the surface velocity of Eastern Himalayan glaciers, India. Earth Surface Processes and Landforms, 2022, 47, 1720-1733.	1.2	12
702	ACFNet: A Feature Fusion Network for Glacial Lake Extraction Based on Optical and Synthetic Aperture Radar Images. Remote Sensing, 2021, 13, 5091.	1.8	7

#	ARTICLE	IF	CITATIONS
703	Positive Associations of Vegetation with Temperature over the Alpine Grasslands in the Western Tibetan Plateau during May. Earth Interactions, 2022, 26, 94-111.	0.7	4
704	Glacier inventory of the Subansiri River Basin in the Brahmaputra catchment using Landsat satellite data: A case study of the Daisaphu Glacier changes. Geological Journal, 2022, 57, 4939-4954.	0.6	3
705	Glacial lake formation probability mapping in the Himalayan glacier: A probabilistic approach. Journal of Earth System Science, 2022, 131, 1.	0.6	3
706	Trend analysis of hydro-meteorological parameters in the Jhelum River basin, North Western Himalayas. Theoretical and Applied Climatology, 2022, 148, 1417-1428.	1.3	13
707	The linear feedback precipitation model (LFPMÂ1.0) – a simple and efficient model for orographic precipitation in the context of landform evolution modeling. Geoscientific Model Development, 2022, 15, 2063-2084.	1.3	5
708	Performance evaluation and bias correction of gridded precipitation products over Arun River Basin in Nepal for hydrological applications. Theoretical and Applied Climatology, 2022, 148, 1353-1372.	1.3	9
709	Knowledge Priorities on Climate Change and Water in the Upper Indus Basin: A Horizon Scanning Exercise to Identify the Top 100 Research Questions in Social and Natural Sciences. Earth's Future, 2022, 10, .	2.4	14
710	Impacts of Western Disturbances on Wintertime Precipitation Over the Southeastern Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	1
711	Automated Delineation of Supraglacial Debris Cover Using Deep Learning and Multisource Remote Sensing Data. Remote Sensing, 2022, 14, 1352.	1.8	7
712	Geomorphic expression of a tectonically active rift-transfer zone in southern Ethiopia. Geomorphology, 2022, 403, 108162.	1.1	3
713	Divergent and Changing Importance of Glaciers and Snow as Natural Water Reservoirs in the Eastern and Southern Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	11
714	Himalayan orogeny and monsoon intensification explain species diversification in an endemic ginger (Hedychium: Zingiberaceae) from the Indo-Malayan Realm. Molecular Phylogenetics and Evolution, 2022, 170, 107440.	1.2	10
715	Influence of Spatial Rainfall Gradients on River Longitudinal Profiles and the Topographic Expression of Spatially and Temporally Variable Climates in Mountain Landscapes. Journal of Geophysical Research F: Earth Surface, 2021, 126, .	1.0	11
716	Impact of Indian summer monsoon in westerly dominated water resources of western Himalayas. Isotopes in Environmental and Health Studies, 2022, 58, 18-43.	0.5	2
717	Luminescence dating of late pleistocene glacial and glacio-fluvial sediments in the Central Himalaya, India. Quaternary Science Reviews, 2022, 284, 107464.	1.4	2
726	Assessment of Hydro-climatic Variables and Its Impact on River Flow Regime in the Sub-basins of the Upper Indus Basin. Earth Systems and Environment, 2023, 7, 307-320.	3.0	4
727	Understanding monsoon controls on the energy and mass balance of glaciers in the Central and Eastern Himalaya. Cryosphere, 2022, 16, 1631-1652.	1.5	17
728	Can Water Vapor Transport over the Himalayas above 8000 m asl?—A Case Study on Mt. Everest. Water (Switzerland), 2022, 14, 1671.	1.2	0

#	ARTICLE	IF	CITATIONS
729	MODIS Observed Spatiotemporal Variation of Snow Cover in Zanskar Valley, North-Western Himalaya. Frontiers in Water, 2022, 4, .	1.0	0
730	Summer regional climate simulations over Tibetan Plateau: from gray zone to convection permitting scale. Climate Dynamics, 2023, 60, 301-322.	1.7	6
731	Evaluation of ERA5-Land and HARv2 Reanalysis Data at High Elevation in the Upper Dudh Koshi Basin (Everest Region, Nepal). Journal of Applied Meteorology and Climatology, 2022, 61, 931-954.	0.6	5
732	The Seasonal Evolution of the Tibetan Plateau Snow Cover Related Moisture During Springâ€toâ€Summer. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	4
733	Existence of Glacier Anomaly in the Interior and Northern Tibetan Plateau between 2000 and 2012. Remote Sensing, 2022, 14, 2962.	1.8	3
734	Impact of Riverine Fresh Water on Indian Summer Monsoon: Coupling a Runoff Routing Model to a Global Seasonal Forecast Model. Frontiers in Climate, 0, 4, .	1.3	2
735	Seasonal and Semiâ€Diurnal Variations in Cloudâ€Phase Characteristics Over the Southern Himalayas and Adjacent Regions as Observed by the Himawariâ€8 Satellite. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	1
736	The effect of lithology on the relationship between denudation rate and chemical weathering pathways – evidence from the eastern Tibetan Plateau. Earth Surface Dynamics, 2022, 10, 513-530.	1.0	14
737	Hydrokinetic energy conversion: A global riverine perspective. Journal of Renewable and Sustainable Energy, 2022, 14, .	0.8	1
738	Hanging glacier avalanche (Raunthigad–Rishiganga) and debris flow disaster on 7 February 2021, Uttarakhand, India: a preliminary assessment. Natural Hazards, 2022, 114, 1939-1966.	1.6	9
739	Tree-Ring Isotopic Records Suggest Seasonal Importance of Moisture Dynamics Over Glacial Valleys of the Central Himalaya. Frontiers in Earth Science, $0,10,10$	0.8	2
740	The imprint of erosion by glacial lake outburst floods in the topography of central Himalayan rivers. Earth Surface Dynamics, 2022, 10, 705-722.	1.0	6
741	The spatial pattern of extreme precipitation from 40 years of gauge data in the central Himalaya. Weather and Climate Extremes, 2022, 37, 100470.	1.6	1
742	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
743	Short communication: Forward and inverse analytic models relating river long profile to tectonic uplift history, assuming a nonlinear slope–erosion dependency. Earth Surface Dynamics, 2022, 10, 833-849.	1.0	3
744	How Well do Global Snow Products Characterize Snow Storage in High Mountain Asia?. Geophysical Research Letters, 2022, 49, .	1.5	6
745	Sediment-transport rates from decadal to millennial timescales across the Indo-Gangetic Plain: Impacts of tectonics, climatic processes, and vegetation cover. Earth-Science Reviews, 2022, , 104165.	4.0	1
746	Fluvial Sedimentary Response to Late Quaternary Climate and Tectonics at the Himalayan Frontal Thrust, Central Nepal. Geochemistry, Geophysics, Geosystems, 2022, 23, .	1.0	2

#	Article	IF	CITATIONS
747	Corrected ERA5 Precipitation by Machine Learning Significantly Improved Flow Simulations for the Third Pole Basins. Journal of Hydrometeorology, 2022, 23, 1663-1679.	0.7	4
748	Energy fluxes, mass balance, and climate sensitivity of the Sutri Dhaka Glacier in the western Himalaya. Frontiers in Earth Science, 0, 10 , .	0.8	6
749	Revealing four decades of snow cover dynamics in the Hindu Kush Himalaya. Scientific Reports, 2022, 12, .	1.6	4
751	The Pattern of Extreme Precipitation and River Runoff using Ground Data in Eastern Nepal. Geography of the Physical Environment, 2022, , 147-165.	0.2	0
752	Application of Geohecras for 2D Flood Modeling of Downstream of Guddu Barrage. , 2022, , .		1
753	The evaluation of climate change impact on hydrologic processes of a mountain river basin. Theoretical and Applied Climatology, 2022, 150, 749-762.	1.3	4
754	An 11-year record of wintertime snow-surface energy balance and sublimation at 4863 m a.s.l. on the Chhota Shigri Glacier moraine (western Himalaya, India). Cryosphere, 2022, 16, 3775-3799.	1.5	4
755	Impact of Climate Change on Spatio-Temporal Distribution of Glaciers in Western Karakoram Region since 1990: A Case Study of Central Karakoram National Park. Water (Switzerland), 2022, 14, 2968.	1.2	1
756	Debris flow susceptibility assessment of Leh Valley, Ladakh, based on concepts of connectivity, propagation and evidence-based probability. Natural Hazards, 2023, 115, 1833-1859.	1.6	3
757	Trend of snow cover under the influence of climate change using Google Earth Engine platform: A case study of Astore (Western Himalayas) and Shigar (Karakoram region). Frontiers in Environmental Science, 0, 10, .	1.5	2
758	Characterization of Long-Time Series Variation of Glacial Lakes in Southwestern Tibet: A Case Study in the Nyalam County. Remote Sensing, 2022, 14, 4688.	1.8	3
759	Atmospheric heat source/sink response to the snow depth over the Tibetan plateau in melting season: A modeling study. Atmospheric Science Letters, 2023, 24, .	0.8	1
760	Seasonal shifts in assembly dynamics of phytoplankton communities in a humans-affected river in NE China. Journal of Oceanology and Limnology, 2022, 40, 1985-2000.	0.6	1
761	Climate Change and New Markets: Multi-Factorial Drivers of Recent Land-Use Change in The Semi-Arid Trans-Himalaya, Nepal. Land, 2022, 11, 1567.	1.2	0
762	Spatio-temporal snow cover change in the early twenty-first century using improved MODIS dataset: a case study of District Hunza, Pakistan. Climate Dynamics, 0, , .	1.7	0
763	Evaluation of gridded datasets for terrestrial water budget assessment in the Upper Jhelum River Basin-South Asia. Journal of Hydrology, 2022, 613, 128294.	2.3	9
764	Climate Change an Emerging Risk: A Case Study of Sutlej River Basin, Pakistan. , 2021, , .		0
765	The distribution and hydrological significance of intact rock glaciers in the north-west Himalaya. Geografiska Annaler, Series A: Physical Geography, 2022, 104, 226-244.	0.6	2

#	Article	IF	CITATIONS
766	Water-Vapour Monitoring from Ground-Based GNSS Observations in Northwestern Argentina. Remote Sensing, 2022, 14, 5427.	1.8	0
767	Understanding the hydrochemical functioning of glacierized catchments of the Upper Indus Basin in Ladakh, Indian Himalayas. Environmental Science and Pollution Research, 2023, 30, 20631-20649.	2.7	3
768	The indian monsoon variability during the last two millennia and links to the tropical equatorial Pacific. Climate Dynamics, 2023, 60, 3645-3660.	1.7	1
769	Spatial pattern of the debris-cover effect and its role in the Hindu Kush-Pamir-Karakoram-Himalaya glaciers. Journal of Hydrology, 2022, 615, 128613.	2.3	4
770	Glacial lake changes and the identification of potentially dangerous glacial lakes (PDGLs) under warming climate in the Dibang River Basin, Eastern Himalaya, India. Geocarto International, 2024, 37, 17659-17685.	1.7	7
771	Decoupling of physical and chemical erosion in the Himalayas revealed by radiogenic Ca isotopes. Geochimica Et Cosmochimica Acta, 2022, 338, 199-219.	1.6	3
772	Understanding Hydrology of Indian Himalayan Landscapesâ€"A Review. Water Science and Technology Library, 2022, , 3-15.	0.2	1
773	Stable isotope hydrology of surface and groundwater from the Doon Valley: geometeorological processes and hydraulic linkages. Hydrological Sciences Journal, 2023, 68, 76-90.	1.2	1
774	Variation of Runoff and Runoff Components of the Lhasa River Basin in the Qinghai-Tibet Plateau under Climate Change. Atmosphere, 2022, 13, 1848.	1.0	4
775	The rapid vegetation line shift in response to glacial dynamics and climate variability in Himalaya between 2000 and 2014. Environmental Monitoring and Assessment, 2023, 195, .	1.3	1
776	Changes in the hydro-climatic regime of the Hunza Basin in the Upper Indus under CMIP6 climate change projections. Scientific Reports, 2022, 12, .	1.6	9
777	Particulate Organic Matter Mobilization and Transformation Along a Himalayan River Revealed by ESIâ€FTâ€ICRâ€MS. Journal of Geophysical Research G: Biogeosciences, 2022, 127, .	1.3	0
778	Future frequency and intensity of Western Disturbance(s). International Journal of Climatology, 0, , .	1.5	1
779	Wet bias of summer precipitation in the northwestern Tibetan Plateau in ERA5 is linked to overestimated lower-level southerly wind over the plateau. Climate Dynamics, 2023, 61, 2139-2153.	1.7	12
780	On the transferability of snowmelt runoff model parameters: Discharge modeling in the Chandra-Bhaga Basin, western Himalaya. Frontiers in Water, 0, 4, .	1.0	2
781	Climate and Biodiversity. Geography of the Physical Environment, 2022, , 27-57.	0.2	0
782	Climate Variability and Its Causal Mechanisms Over the Northeastern Indian Himalaya. Society of Earth Scientists Series, 2022, , 83-110.	0.2	0
783	HeterogeneityÂinÂGlacier Area Loss in Response to Climate Change in Selected Basins of Western Himalaya. Society of Earth Scientists Series, 2022, , 137-174.	0.2	1

#	ARTICLE	IF	Citations
784	Neogene aridification and lake development in the Issykâ€Kul basin, Kyrgyzstan. Basin Research, 2023, 35, 1193-1227.	1.3	2
785	Assessment of Runoff Components of River Flow in the Karakoram Mountains, Pakistan, during 1995–2010. Remote Sensing, 2023, 15, 399.	1.8	3
786	Spatio-temporal assessment of regional scale evolution and distribution of glacial lakes in Himalaya. Frontiers in Earth Science, $0,10,10$	0.8	4
787	Spring floods and their major influential factors in the upper reaches of Jinsha River basin during 2001–2020. Journal of Hydrology: Regional Studies, 2023, 45, 101318.	1.0	2
789	Alâ€based runoff simulation based on remote sensing observations: A case study of two river basins in the United States and Canada. Journal of the American Water Resources Association, 2023, 59, 299-316.	1.0	1
790	How does climate affect the topography in tectonically active orogens. Earth Surface Processes and Landforms, O, , .	1.2	0
791	Hydrological Extremes in Western Himalayas-Trends and Their Physical Factors. , 0, , .		2
792	Impact of extreme debris flow-induced paleodamming events on the sedimentological evolution of the middle Yarlung Tsangpo River reaches since the late Pleistocene, Tibet. Frontiers in Earth Science, 0, 10, .	0.8	1
793	The evolution of precipitation and its physical mechanisms in arid and humid regions of the Tibetan Plateau. Atmospheric Research, 2023, 285, 106638.	1.8	2
794	Functional diversity patterns reveal different elevations shaping Himalayan amphibian assemblages, highlighting the importance of morphologically extreme individuals. Ecological Indicators, 2023, 150, 110260.	2.6	0
795	Differential surface melting of a debris-covered glacier and its geomorphological control — A case study from Batal Glacier, western Himalaya. Geomorphology, 2023, 431, 108686.	1.1	3
796	Moisture Sources and Pathways Determine Stable Isotope Signature of Himalayan Waters in Nepal. AGU Advances, 2023, 4, .	2.3	1
797	Identifying links between monsoon variability and rice production in India through machine learning. Scientific Reports, 2023, 13, .	1.6	5
798	Impact of climate change on the long-term water balance in the Yarlung Zangbo basin. Frontiers in Earth Science, $0,11,.$	0.8	1
799	Seasonal dependent suitability of physical parameterizations to simulate precipitation over the Himalayan headwater. Scientific Reports, 2023, 13 , .	1.6	0
800	Geomorphic response of bedrock landslides induced landscape evolution across the Teesta catchment, Eastern Himalaya. Environmental Earth Sciences, 2023, 82, .	1.3	5
801	A geospatial analysis of long-term trends in snow depth in the Hindu Kush Himalayan region: 1999–2019. Acta Geophysica, 0, , .	1.0	0
821	Delving into Recent Changes in Precipitation Patterns in the Western Himalayas under Global Warming. , 0, , .		2

CITATION REPORT

#	ARTICLE	lF	CITATIONS
852	Cooling Himalayan glaciers. Nature Geoscience, 2023, 16, 1076-1077.	5.4	0
868	Optimal placement of rain gauge networks in complex terrains for monitoring extreme rainfall events: a review. Theoretical and Applied Climatology, 2024, 155, 2511-2521.	1.3	0