Philip D A Kraaijenbrink

List of Publications by Year
in descending order

23 papers	3,713 citations	393982 19 h-index	642321 23 g-index
41 all docs	41 docs citations	41 times ranked	3581 citing authors

#	Article	IF	Citations
1	Importance and vulnerability of the worldâ€™s water towers. Nature, 2020, 577, 364-369.	13.7	885
2	Impact of a global temperature rise of 1.5 degrees Celsius on Asiaâ€™s glaciers. Nature, 2017, 549, 257-260.	13.7	525
3	High-resolution monitoring of Himalayan glacier dynamics using unmanned aerial vehicles. Remote Sensing of Environment, 2014, 150, 93-103.	4.6	382
4	Geomorphic and geologic controls of geohazards induced by Nepalâ€™s 2015 Gorkha earthquake. Science, 2016, 351, aac8353.	6.0	317
5	Climate Change Impacts on the Upper Indus Hydrology: Sources, Shifts and Extremes. PLoS ONE, 2016, 11, e0165630.	1.1	234
6	Projected land ice contributions to twenty-first-century sea level rise. Nature, 2021, 593, 74-82.	13.7	200
7	Climate change decisive for Asiaâ€™s snow meltwater supply. Nature Climate Change, 2021, 11, 591-597.	8.1	131
8	Partitioning the Uncertainty of Ensemble Projections of Global Glacier Mass Change. Earth's Future, 2020, 8, e2019EF001470.	2.4	121
9	Reduced melt on debris-covered glaciers: investigations from Changri Nup Glacier, Nepal. Cryosphere, 2016, 10, 1845-1858.	1.5	118
10	Object-based analysis of unmanned aerial vehicle imagery to map and characterise surface features on a debris-covered glacier. Remote Sensing of Environment, 2016, 186, 581-595.	4.6	117
11	Heterogeneous Influence of Glacier Morphology on the Mass Balance Variability in High Mountain Asia. Journal of Geophysical Research F: Earth Surface, 2019, 124, 1331-1345.	1.0	112
12	Seasonal surface velocities of a Himalayan glacier derived by automated correlation of unmanned aerial vehicle imagery. Annals of Glaciology, 2016, 57, 103-113.	2.8	108
13	Ice cliff contribution to the tongue-wide ablation of ChangriÂNup Glacier, Nepal, central Himalaya. Cryosphere, 2018, 12, 3439-3457.	1.5	96
14	Quantifying volume loss from ice cliffs on debris-covered glaciers using high-resolution terrestrial and aerial photogrammetry. Journal of Glaciology, 2016, 62, 684-695.	1.1	71
15	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
16	Mapping Surface Temperatures on a Debris-Covered Glacier With an Unmanned Aerial Vehicle. Frontiers in Earth Science, 2018, 6, .	0.8	59
17	Brief communication: The Khurdopin glacier surge revisited â€“ extreme flow velocities and formation of a dammed lake in 2017. Cryosphere, 2018, 12, 95-101.	1.5	55
18	Sediment supply from lateral moraines to a debris-covered glacier in the Himalaya. Earth Surface Dynamics, 2019, 7, 411-427.	1.0	42

#	Article	IF	Citations
19	Towards understanding the pattern of glacier mass balances in High Mountain Asia using regional climatic modelling. Cryosphere, 2020, 14, 3215-3234.	1.5	32
20	Modeling the Response of the Langtang Glacier and the Hintereisferner to a Changing Climate Since the Little Ice Age. Frontiers in Earth Science, 2019, 7, .	0.8	16
21	Distributed Melt on a Debris-Covered Glacier: Field Observations and Melt Modeling on the Lirung Glacier in the Himalaya. Frontiers in Earth Science, 2021, 9, .	0.8	14
22	The spatial extent of hydrological and landscape changes across the mountains and prairies of Canada in the Mackenzie and Nelson River basins based on data from a warm-season time window. Hydrology and Earth System Sciences, 2021, 25, 2513-2541.	1.9	3
23	Debris Emergence Elevations and Glacier Change. Frontiers in Earth Science, 2021, 9, .	0.8	3