

Patrick Wagnon

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

4,114
citations

218677

26
h-index

265206

42
g-index

43
all docs

43
docs citations

43
times ranked

2801
citing authors

#	ARTICLE	IF	CITATIONS
1	A spatially resolved estimate of High Mountain Asia glacier mass balances from 2000 to 2016. <i>Nature Geoscience</i> , 2017, 10, 668-673.	12.9	755
2	Climate change and tropical Andean glaciers: Past, present and future. <i>Earth-Science Reviews</i> , 2008, 89, 79-96.	9.1	552
3	Twenty-first century glacier slowdown driven by mass loss in High Mountain Asia. <i>Nature Geoscience</i> , 2019, 12, 22-27.	12.9	256
4	Review of the status and mass changes of Himalayan-Karakoram glaciers. <i>Journal of Glaciology</i> , 2018, 64, 61-74.	2.2	233
5	Four years of mass balance on Chhota Shigri Glacier, Himachal Pradesh, India, a new benchmark glacier in the western Himalaya. <i>Journal of Glaciology</i> , 2007, 53, 603-611.	2.2	220
6	Tropical climate change recorded by a glacier in the central Andes during the last decades of the twentieth century: Chacaltaya, Bolivia, 16°S. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	189
7	From balance to imbalance: a shift in the dynamic behaviour of Chhota Shigri glacier, western Himalaya, India. <i>Journal of Glaciology</i> , 2012, 58, 315-324.	2.2	170
8	Annual cycle of energy balance of Zongo Glacier, Cordillera Real, Bolivia. <i>Journal of Geophysical Research</i> , 1999, 104, 3907-3923.	3.3	139
9	Reconstruction of the annual mass balance of Chhota Shigri glacier, Western Himalaya, India, since 1969. <i>Annals of Glaciology</i> , 2014, 55, 69-80.	1.4	126
10	One-year measurements of surface heat budget on the ablation zone of Antizana Glacier 15, Ecuadorian Andes. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	118
11	Reduced melt on debris-covered glaciers: investigations from Changri Nup Glacier, Nepal. <i>Cryosphere</i> , 2016, 10, 1845-1858.	3.9	118
12	Energy balance and runoff seasonality of a Bolivian glacier. <i>Global and Planetary Change</i> , 1999, 22, 49-58.	3.5	108
13	Glaciers of the outer and inner tropics: A different behaviour but a common response to climatic forcing. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	105
14	Atmospheric controls of the heat balance of Zongo Glacier (16°S, Bolivia). <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	101
15	Ice cliff contribution to the tongue-wide ablation of Changri Nup Glacier, Nepal, central Himalaya. <i>Cryosphere</i> , 2018, 12, 3439-3457.	3.9	96
16	Irregular tropical glacier retreat over the Holocene epoch driven by progressive warming. <i>Nature</i> , 2011, 474, 196-199.	27.8	80
17	Wintertime high-altitude surface energy balance of a Bolivian glacier, Illimani, 6340 m above sea level. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	74
18	A physically based model of the year-round surface energy and mass balance of debris-covered glaciers. <i>Journal of Glaciology</i> , 2013, 59, 327-344.	2.2	71

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19	Quantifying volume loss from ice cliffs on debris-covered glaciers using high-resolution terrestrial and aerial photogrammetry. <i>Journal of Glaciology</i> , 2016, 62, 684-695.	2.2	71
20	Glacier ablation and temperature indexed melt models in the Nepalese Himalaya. <i>Scientific Reports</i> , 2019, 9, 5264.	3.3	52
21	Contrasted surface mass balances of debris-free glaciers observed between the southern and the inner parts of the Everest region (2007-2015). <i>Journal of Glaciology</i> , 2017, 63, 637-651.	2.2	49
22	A physically based 3D model of ice cliff evolution over debris-covered glaciers. <i>Journal of Geophysical Research F: Earth Surface</i> , 2016, 121, 2471-2493.	2.8	47
23	Glacial and geomorphic effects of a supraglacial lake drainage and outburst event, Everest region, Nepal Himalaya. <i>Cryosphere</i> , 2018, 12, 3891-3905.	3.9	46
24	Melting of Snow Cover in a Tropical Mountain Environment in Bolivia: Processes and Modeling. <i>Journal of Hydrometeorology</i> , 2007, 8, 922-937.	1.9	44
25	Evidence of groundwater flow on Antizana ice-covered volcano, Ecuador / Mise en évidence d'écoulements souterrains sur le volcan englacé Antizana, Equateur. <i>Hydrological Sciences Journal</i> , 2008, 53, 278-291.	2.6	42
26	Water budget on the Dudh Koshi River (Nepal): Uncertainties on precipitation. <i>Journal of Hydrology</i> , 2015, 531, 850-862.	5.4	31
27	Reanalysing the 2007-2019 glaciological mass-balance series of Mera Glacier, Nepal, Central Himalaya, using geodetic mass balance. <i>Journal of Glaciology</i> , 2021, 67, 117-125.	2.2	26
28	Quantification of different flow components in a high-altitude glacierized catchment (Dudh Koshi, Nepal). <i>Journal of Hydrology</i> , 2019, 571, 107-125.	4.9	25
29	Turbulence Characteristics in the Atmospheric Surface Layer for Different Wind Regimes over the Tropical Zongo Glacier (Bolivia, 16°S). <i>Boundary-Layer Meteorology</i> , 2015, 154, 471-495.	2.3	23
30	Precipitation Characteristics and Moisture Source Regions on Mt. Everest in the Khumbu, Nepal. <i>One Earth</i> , 2020, 3, 594-607.	6.8	23
31	Glacier fluctuations in the Alps and in the tropical Andes. <i>Comptes Rendus - Geoscience</i> , 2005, 337, 97-106.	1.2	19
32	Understanding monsoon controls on the energy and mass balance of glaciers in the Central and Eastern Himalaya. <i>Cryosphere</i> , 2022, 16, 1631-1652.	3.9	17
33	Incorporating moisture content in surface energy balance modeling of a debris-covered glacier. <i>Cryosphere</i> , 2020, 14, 1555-1577.	3.9	15
34	Seasonally stable temperature gradients through supraglacial debris in the Everest region of Nepal, Central Himalaya. <i>Journal of Glaciology</i> , 2021, 67, 170-181.	2.2	14
35	Measurements, models and drivers of incoming longwave radiation in the Himalaya. <i>International Journal of Climatology</i> , 2020, 40, 942-956.	3.5	10
36	Surface-layer turbulence, energy balance and links to atmospheric circulations over a mountain glacier in the French Alps. <i>Cryosphere</i> , 2017, 11, 971-987.	3.9	9

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37	Variations in near-surface debris temperature through the summer monsoon on Khumbu Glacier, Nepal Himalaya. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 2698-2714.	2.5	7
38	Weather on Mount Everest during the 2019 summer monsoon. <i>Weather</i> , 2021, 76, 205-207.	0.7	6
39	Detecting supraglacial debris thickness with GPR under suboptimal conditions. <i>Journal of Glaciology</i> , 2021, 67, 1108-1120.	2.2	4
40	Direct observations of a Mt Everest snowstorm from the world's highest surface-based radar observations. <i>Weather</i> , 2021, 76, 57-59.	0.7	3
41	Processing of VENUS Images of High Mountains: A Case Study for Cryospheric and Hydro-Climatic Applications in the Everest Region (Nepal). <i>Remote Sensing</i> , 2022, 14, 1098.	4.0	1