

# Amaury Dehecq

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,568  
citations

430874

18  
h-index

580821

25  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1903  
citing authors

#	ARTICLE	IF	CITATIONS
1	Glacier Runoff Variation Since 1981 in the Upper Naryn River Catchments, Central Tien Shan. <i>Frontiers in Environmental Science</i> , 2022, 9, .	3.3	8
2	Modelling supraglacial debris-cover evolution from the single-glacier to the regional scale: an application to High Mountain Asia. <i>Cryosphere</i> , 2022, 16, 1697-1718.	3.9	10
3	Uncertainty Analysis of Digital Elevation Models by Spatial Inference From Stable Terrain. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 6456-6472.	4.9	15
4	Reanalysing the 2007â€“19 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
5	Health and sustainability of glaciers in High Mountain Asia. <i>Nature Communications</i> , 2021, 12, 2868.	12.8	118
6	Manifestations and mechanisms of the Karakoram glacier Anomaly. <i>Nature Geoscience</i> , 2020, 13, 8-16.	12.9	186
7	Irrigation-triggered landslides in a Peruvian desert caused by modern intensive farming. <i>Nature Geoscience</i> , 2020, 13, 56-60.	12.9	75
8	Automated Processing of Declassified KH-9 Hexagon Satellite Images for Global Elevation Change Analysis Since the 1970s. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	41
9	Reversed Surface-Mass-Balance Gradients on Himalayan Debris-Covered Glaciers Inferred from Remote Sensing. <i>Remote Sensing</i> , 2020, 12, 1563.	4.0	28
10	A Bayesian ice thickness estimation model for large-scale applications. <i>Journal of Glaciology</i> , 2020, 66, 137-152.	2.2	21
11	Snow depth mapping from stereo satellite imagery in mountainous terrain: evaluation using airborne laser-scanning data. <i>Cryosphere</i> , 2020, 14, 2925-2940.	3.9	52
12	Suivi des glaciers de montagne par imagerie radar satellitaire. <i>Revue Francaise De Photogrammetrie Et De Teledetection</i> , 2020, , 91-105.	0.2	0
13	Heterogeneous Changes in Western North American Glaciers Linked to Decadal Variability in Zonal Wind Strength. <i>Geophysical Research Letters</i> , 2019, 46, 200-209.	4.0	70
14	Twenty-first century glacier slowdown driven by mass loss in High Mountain Asia. <i>Nature Geoscience</i> , 2019, 12, 22-27.	12.9	256
15	Reply to Comment by W. R. Peltier, D. F. Argus, and R. Drummond on "An Assessment of the ICE6G_C (VM5a) Glacial Isostatic Adjustment Model". <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 2029-2032.	3.4	9
16	Contrasting geometric and dynamic evolution of lake and land-terminating glaciers in the central Himalaya. <i>Global and Planetary Change</i> , 2018, 167, 46-60.	3.5	82
17	Elevation Changes Inferred From TanDEM-X Data Over the Mont-Blanc Area: Impact of the X-Band Interferometric Bias. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 3870-3882.	4.9	72
18	Investigating the pace of temperature change and its implications over the twenty-first century. <i>Climatic Change</i> , 2016, 137, 187-200.	3.6	8

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19	An assessment of the <i>ICE6G_C(VM5a)</i> glacial isostatic adjustment model. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 3939-3950.	3.4	51
20	An overview to remotely sensed displacement measurements fusion: Current status and challenges. , 2016, , .		0
21	Fusion of Remotely Sensed Displacement Measurements: Current status and challenges. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2016, 4, 6-25.	9.6	7
22	Multi-method monitoring of Glacier dâ€™ArgentiÃ¨re dynamics. <i>Annals of Glaciology</i> , 2015, 56, 118-128.	1.4	21
23	Elevation changes and X-band ice and snow penetration inferred from TanDEM-X data of the Mont-Blanc area. , 2015, , .		8
24	Deriving large-scale glacier velocities from a complete satellite archive: Application to the Pamirâ€™Karakoramâ€™Himalaya. <i>Remote Sensing of Environment</i> , 2015, 162, 55-66.	11.0	149
25	Decadal slowdown of a land-terminating sector of the Greenland Ice Sheet despite warming. <i>Nature</i> , 2015, 526, 692-695.	27.8	113
26	Rapid dynamic activation of a marineâ€™based Arctic ice cap. <i>Geophysical Research Letters</i> , 2014, 41, 8902-8909.	4.0	43
27	Determination of glacier velocities at a large spatial scale from optical satellite archives. , 2014, , .		0
28	Oceanic dispersal of juvenile leatherback turtles: going beyond passive drift modeling. <i>Marine Ecology - Progress Series</i> , 2012, 457, 265-284.	1.9	70
29	Relationship between glacial isostatic adjustment and gravity perturbations observed by GRACE. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	25