

Bas Altena

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

562
citations

840119

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996533

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g-index

37
all docs

37
docs citations

37
times ranked

881
citing authors

#	ARTICLE	IF	CITATIONS
1	Glacier Remote Sensing Using Sentinel-2. Part I: Radiometric and Geometric Performance, and Application to Ice Velocity. <i>Remote Sensing</i> , 2016, 8, 598.	1.8	121
2	Altimetry with GNSS-R interferometry: first proof of concept experiment. <i>GPS Solutions</i> , 2012, 16, 231-241.	2.2	81
3	Estimating the long-term calving flux of Kronebreen, Svalbard, from geodetic elevation changes and mass-balance modeling. <i>Journal of Glaciology</i> , 2012, 58, 119-133.	1.1	75
4	Extracting recent short-term glacier velocity evolution over southern Alaska and the Yukon from a large collection of Landsat data. <i>Cryosphere</i> , 2019, 13, 795-814.	1.5	47
5	Coseismic displacements of the 14 November 2016 <i>M</i>7.8 Kaikoura, New Zealand, earthquake using the Planet optical cubesat constellation. <i>Natural Hazards and Earth System Sciences</i> , 2017, 17, 627-639.	1.5	44
6	River-ice and water velocities using the Planet optical cubesat constellation. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 4233-4247.	1.9	37
7	Elevation Change and Improved Velocity Retrieval Using Orthorectified Optical Satellite Data from Different Orbits. <i>Remote Sensing</i> , 2017, 9, 300.	1.8	27
8	Weekly Glacier Flow Estimation from Dense Satellite Time Series Using Adapted Optical Flow Technology. <i>Frontiers in Earth Science</i> , 0, 5, .	0.8	23
9	Simulating the roles of crevasse routing of surface water and basal friction on the surge evolution of Basin 3, Austfonna ice cap. <i>Cryosphere</i> , 2018, 12, 1563-1577.	1.5	22
10	From high friction zone to frontal collapse: dynamics of an ongoing tidewater glacier surge, Negribreen, Svalbard. <i>Journal of Glaciology</i> , 2020, 66, 742-754.	1.1	17
11	Brief communication: Detection of glacier surge activity using cloud computing of Sentinel-1 radar data. <i>Cryosphere</i> , 2021, 15, 4901-4907.	1.5	15
12	Ensemble matching of repeat satellite images applied to measure fast-changing ice flow, verified with mountain climber trajectories on Khumbu icefall, Mount Everest. <i>Journal of Glaciology</i> , 2020, 66, 905-915.	1.1	14
13	Closing the mass budget of a tidewater glacier: the example of Kronebreen, Svalbard. <i>Journal of Glaciology</i> , 2019, 65, 136-148.	1.1	13
14	Glacier ice loss monitored through the Planet cubesat constellation. , 2017, , .		5
15	Correlation dispersion as a measure to better estimate uncertainty in remotely sensed glacier displacements. <i>Cryosphere</i> , 2022, 16, 2285-2300.	1.5	5
16	Possible impacts of a 1000â€‰km long hypothetical subglacial river valley towards Petermann Glacier in northern Greenland. <i>Cryosphere</i> , 2020, 14, 3747-3759.	1.5	3
17	Quantifying river ice movement through a combination of European satellite monitoring services. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 98, 102315.	1.4	2
18	Robust glacier displacements using knowledge-based image matching. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
19	Observing Change in Glacier Flow from Space. <i>Frontiers for Young Minds</i> , 2018, 6, .	0.8	0