Michael Bevis

List of Publications by Year
in descending order

21	1,489	777949 13	799663 21
papers	citations	h-index	g-index

21	21	21	2169
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tracking the source direction of surface mass loads using vertical and horizontal displacements from satellite geodesy: A case study of the inter-annual fluctuations in the water level in the Great Lakes. Remote Sensing of Environment, 2022, 274, 113001.	4.6	3
2	Estimating Ice Discharge at Greenland's Three Largest Outlet Glaciers Using Local Bedrock Uplift. Geophysical Research Letters, 2021, 48, e2021GL094252.	1.5	6
3	Centennial response of Greenlandâ€™s three largest outlet glaciers. Nature Communications, 2020, 11, 5718.	5.8	36
4	The Art and Science of Trajectory Modelling. Springer Geophysics, 2020, , 1-27.	0.9	7
5	Accelerating changes in ice mass within Greenland, and the ice sheetâ€™s sensitivity to atmospheric forcing. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1934-1939.	3.3	152
6	Downscaling GRACE Predictions of the Crustal Response to the Presentâ€Day Mass Changes in Greenland. Journal of Geophysical Research: Solid Earth, 2019, 124, 5134-5152.	1.4	7
7	Geodetic and model data reveal different spatio-temporal patterns of transient mass changes over Greenland from 2007 to 2017. Earth and Planetary Science Letters, 2019, 515, 154-163.	1.8	21
8	Geodetic measurements reveal short-term changes of glacial mass near Jakobshavn IsbrÃ¦ (Greenland) from 2007 to 2017. Earth and Planetary Science Letters, 2018, 503, 216-226.	1.8	10
9	Greedy Automatic Signal Decomposition and Its Application to Daily GPS Time Series. Journal of Geophysical Research: Solid Earth, 2018, 123, 6992-7003.	1.4	13
10	Annual variations in GPSâ€measured vertical displacements near Upernavik IsstrÃ¸m (Greenland) and contributions from surface mass loading. Journal of Geophysical Research: Solid Earth, 2017, 122, 677-691.	1.4	20
11	The Influence of Gravity on the Displacement Field Produced by Fault Slip. Geophysical Research Letters, 2017, 44, 9321-9329.	1.5	9
12	Isolating active orogenic wedge deformation in the southern Subandes of Bolivia. Journal of Geophysical Research: Solid Earth, 2016, 121, 6192-6218.	1.4	24
13	Geodetic measurements reveal similarities between postâ€“Last Glacial Maximum and present-day mass loss from the Greenland ice sheet. Science Advances, 2016, 2, e1600931.	4.7	108
14	Surface Deformation due to Loading of a Layered Elastic Half-space: Constructing the Solution for a General Polygonal Load. Acta Geophysica, 2015, 63, 957-977.	1.0	8
15	Trajectory models and reference frames for crustal motion geodesy. Journal of Geodesy, 2014, 88, 283-311.	1.6	163
16	Sustained mass loss of the northeast Greenland ice sheet triggered by regional warming. Nature Climate Change, 2014, 4, 292-299.	8.1	225
17	Coseismic and postseismic slip associated with the 2010 Maule Earthquake, Chile: Characterizing the Arauco Peninsula barrier effect. Journal of Geophysical Research: Solid Earth, 2013, 118, 3142-3159.	1.4	134
18	Bedrock displacements in Greenland manifest ice mass variations, climate cycles and climate change. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11944-11948.	3.3	116

#	Article	IF	Citations
19	Spread of ice mass loss into northwest Greenland observed by GRACE and GPS. Geophysical Research Letters, 2010, 37, .	1.5	168
20	The 2010 Maule, Chile earthquake: Downdip rupture limit revealed by space geodesy. Geophysical Research Letters, 2010, 37, .	1.5	117
21	Seasonal fluctuations in the mass of the Amazon River system and Earth's elastic response. Geophysical Research Letters, 2005, 32, .	1.5	142