

Bernd Etzelmüller

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

5,120
citations

147801

31
h-index

128289

60
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89
all docs

89
docs citations

89
times ranked

4126
citing authors

#	ARTICLE	IF	CITATIONS
1	Permafrost in monitored unstable rock slopes in Norway – new insights from temperature and surface velocity measurements, geophysical surveying, and ground temperature modelling. <i>Earth Surface Dynamics</i> , 2022, 10, 97-129.	2.4	11
2	Explicitly modelling microtopography in permafrost landscapes in a land surface model (JULES) Tj ETQq0 0 0 rgBT /Qverlock 10 Tf 50 702	3.6	6
3	Incorporating InSAR kinematics into rock glacier inventories: insights from 11 regions worldwide. <i>Cryosphere</i> , 2022, 16, 2769-2792.	3.9	12
4	Permafrost as a first order control on long-term rock-slope deformation in (Sub-)Arctic Norway. <i>Quaternary Science Reviews</i> , 2021, 251, 106718.	3.0	23
5	Movements, failure and climatic control of the Veslemannen rockslide, Western Norway. <i>Landslides</i> , 2021, 18, 1963.	5.4	19
6	Surface temperatures and their influence on the permafrost thermal regime in high-Arctic rock walls on Svalbard. <i>Cryosphere</i> , 2021, 15, 2491-2509.	3.9	7
7	Lateral thermokarst patterns in permafrost peat plateaus in northern Norway. <i>Cryosphere</i> , 2021, 15, 3423-3442.	3.9	11
8	Regional Morpho-Kinematic Inventory of Slope Movements in Northern Norway. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	5
9	Icelandic permafrost dynamics since the Last Glacial Maximum – model results and geomorphological implications. <i>Quaternary Science Reviews</i> , 2020, 233, 106236.	3.0	16
10	Twenty years of European mountain permafrost dynamics – the PACE legacy. <i>Environmental Research Letters</i> , 2020, 15, 104070.	5.2	50
11	High potential for loss of permafrost landforms in a changing climate. <i>Environmental Research Letters</i> , 2020, 15, 104065.	5.2	28
12	Northern Hemisphere permafrost map based on TTOP modelling for 2000–2016 at 1 km ² scale. <i>Earth-Science Reviews</i> , 2019, 193, 299-316.	9.1	462
13	Modeling Conductive Heat Flow Between Steep Rock Walls and Talus Slopes – Thermal Processes and Geomorphological Implications. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	6
14	Permafrost distribution in steep rock slopes in Norway: measurements, statistical modelling and implications for geomorphological processes. <i>Earth Surface Dynamics</i> , 2019, 7, 1019-1040.	2.4	28
15	Transient Modelling of Permafrost Distribution in Iceland. <i>Frontiers in Earth Science</i> , 2019, 7, .	1.8	20
16	Permafrost is warming at a global scale. <i>Nature Communications</i> , 2019, 10, 264.	12.8	1,039
17	Circumpolar permafrost maps and geohazard indices for near-future infrastructure risk assessments. <i>Scientific Data</i> , 2019, 6, 190037.	5.3	51
18	Degrading permafrost puts Arctic infrastructure at risk by mid-century. <i>Nature Communications</i> , 2018, 9, 5147.	12.8	327

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19	Multiple rock-slope failures from Mannen in Romsdal Valley, western Norway, revealed from Quaternary geological mapping and ¹⁰ Be exposure dating. <i>Holocene</i> , 2018, 28, 1841-1854.	1.7	29
20	Holocene development of subarctic permafrost peatlands in Finnmark, northern Norway. <i>Holocene</i> , 2018, 28, 1855-1869.	1.7	17
21	Permafrost Map for Norway, Sweden and Finland. <i>Permafrost and Periglacial Processes</i> , 2017, 28, 359-378.	3.4	92
22	Terrain changes from images acquired on opportunistic flights by SfM photogrammetry. <i>Cryosphere</i> , 2017, 11, 827-840.	3.9	23
23	Transient modeling of the ground thermal conditions using satellite data in the Lena River delta, Siberia. <i>Cryosphere</i> , 2017, 11, 1441-1463.	3.9	41
24	Strong degradation of palsas and peat plateaus in northern Norway during the last 60 years. <i>Cryosphere</i> , 2017, 11, 1-16.	3.9	68
25	Small-scale variation of snow in a regional permafrost model. <i>Cryosphere</i> , 2016, 10, 1201-1215.	3.9	56
26	Simulating the thermal regime and thaw processes of ice-rich permafrost ground with the land-surface model CryoGrid 3. <i>Geoscientific Model Development</i> , 2016, 9, 523-546.	3.6	104
27	A ground temperature map of the North Atlantic permafrost region based on remote sensing and reanalysis data. <i>Cryosphere</i> , 2015, 9, 1303-1319.	3.9	82
28	A statistical approach to represent small-scale variability of permafrost temperatures due to snow cover. <i>Cryosphere</i> , 2014, 8, 2063-2074.	3.9	78
29	Recent Advances in Mountain Permafrost Research. <i>Permafrost and Periglacial Processes</i> , 2013, 24, 99-107.	3.4	59
30	Transient thermal modeling of permafrost conditions in Southern Norway. <i>Cryosphere</i> , 2013, 7, 719-739.	3.9	113
31	Ground Thermal Regime and Permafrost Distribution under a Changing Climate in Northern Norway. <i>Permafrost and Periglacial Processes</i> , 2013, 24, 20-38.	3.4	57
32	A regional inventory of rock glaciers and ice-cored moraines in Norway. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2011, 93, 175-191.	1.5	75
33	Characteristics of Discontinuous Permafrost based on Ground Temperature Measurements and Electrical Resistivity Tomography, Southern Yukon, Canada. <i>Permafrost and Periglacial Processes</i> , 2011, 22, 320-342.	3.4	80
34	Degrading Mountain Permafrost in Southern Norway: Spatial and Temporal Variability of Mean Ground Temperatures, 1999-2009. <i>Permafrost and Periglacial Processes</i> , 2011, 22, 361-377.	3.4	87
35	Air and Ground Temperature Variations Observed along Elevation and Continentality Gradients in Southern Norway. <i>Permafrost and Periglacial Processes</i> , 2011, 22, 343-360.	3.4	59
36	Local variations of solifluction activity and environment in the Abisko Mountains, Northern Sweden. <i>Earth Surface Processes and Landforms</i> , 2011, 36, 2042-2053.	2.5	13

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37	Spatial analysis of solifluction landforms and process rates in the Abisko Mountains, northern Sweden. <i>Permafrost and Periglacial Processes</i> , 2010, 21, 241-255.	3.4	20
38	Permafrost and climate in Europe: Monitoring and modelling thermal, geomorphological and geotechnical responses. <i>Earth-Science Reviews</i> , 2009, 92, 117-171.	9.1	499
39	Factors Controlling The Distribution of Mountain Permafrost in The Northern Hemisphere and Their Influence on Sediment Transfer. <i>Arctic, Antarctic, and Alpine Research</i> , 2009, 41, 48-58.	1.1	33
40	Recent advances in permafrost modelling. <i>Permafrost and Periglacial Processes</i> , 2008, 19, 137-156.	3.4	327
41	Sediment budgets and rates of sediment transfer across cold environments in europe: introduction and background to the european science foundation network "sedimentary source-sink fluxes in cold environments" (sediflux). <i>Geografiska Annaler, Series A: Physical Geography</i> , 2007, 89, 1-3.	1.5	3
42	The regional distribution of mountain permafrost in Iceland. <i>Permafrost and Periglacial Processes</i> , 2007, 18, 185-199.	3.4	108
43	Mountain permafrost distribution modelling using a multi-criteria approach in the HÃ¶vsgÃ¶l area, northern Mongolia. <i>Permafrost and Periglacial Processes</i> , 2006, 17, 91-104.	3.4	75
44	Glacier-permafrost interaction in Arctic and alpine mountain environments with examples from southern Norway and Svalbard. <i>Geological Society Special Publication</i> , 2005, 242, 11-27.	1.3	80
45	Mountain permafrost in Central-Eastern Norway. <i>Norsk Geografisk Tidsskrift</i> , 2005, 59, 94-108.	0.7	46
46	The rock glaciers on Prins Karls Forland: corrections of surface displacement rates. <i>Permafrost and Periglacial Processes</i> , 2003, 14, 291-293.	3.4	8
47	Stepped palaeosurfaces in southern Norway - interpretation of DEM -derived topographic profiles. <i>Norsk Geografisk Tidsskrift</i> , 2003, 57, 102-110.	0.7	8
48	The assessment of potential geotechnical hazards associated with mountain permafrost in a warming global climate. <i>Permafrost and Periglacial Processes</i> , 2001, 12, 145-156.	3.4	144
49	Terrain parameters and remote sensing data in the analysis of permafrost distribution and periglacial processes: principles and examples from southern Norway. <i>Permafrost and Periglacial Processes</i> , 2001, 12, 79-92.	3.4	68
50	Surface energy fluxes and distribution models of permafrost in European mountain areas: an overview of current developments. <i>Permafrost and Periglacial Processes</i> , 2001, 12, 53-68.	3.4	115
51	Runoff and drainage pattern derived from digital elevation models, Finsterwalderbreen, Svalbard. <i>Annals of Glaciology</i> , 2000, 31, 147-152.	1.4	30
52	Rock Glaciers on Prins Karls Forland. II: GPR Soundings and the Development of Internal Structures. <i>Permafrost and Periglacial Processes</i> , 2000, 11, 357-369.	3.4	77
53	Glacier characteristics and sediment transfer system of Longyearbreen and Larsbreen, western Spitsbergen. <i>Norsk Geografisk Tidsskrift</i> , 2000, 54, 157-168.	0.7	64
54	Rock glaciers on Prins Karls Forland, Svalbard. I: internal structure, flow velocity and morphology. <i>Permafrost and Periglacial Processes</i> , 1998, 9, 135-145.	3.4	58

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55	Rock glaciers on Prins Karls Forland, Svalbard. I: internal structure, flow velocity and morphology. Permafrost and Periglacial Processes, 1998, 9, 135-145.	3.4	2
56	Glacier geomorphometry – an approach for analyzing long-term glacier surface changes using grid-based digital elevation models. Annals of Glaciology, 1997, 24, 135-141.	1.4	4
57	Glacier geomorphometry – an approach for analyzing long-term glacier surface changes using grid-based digital elevation models. Annals of Glaciology, 1997, 24, 135-141.	1.4	16
58	Dynamics of Two Subpolar Valley Glaciers – Erikbreen and Hannabreen, Liefdefjorden, Northern Spitsbergen. Geografiska Annaler, Series A: Physical Geography, 1993, 75, 41-54.	1.5	2
59	Mass balance and changes of surface slope, crevasse and flow pattern of Erikbreen, northern Spitsbergen: an application of a geographical information system (GIS). Polar Research, 1993, 12, 131-146.	1.6	11
60	Thermal regime of a valley glacier, Erikbreen, northern Spitsbergen. Polar Research, 1992, 11, 69-79.	1.6	30