

Jeannette Noetzli

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

3,733
citations

304743

22
h-index

477307

29
g-index

45
all docs

45
docs citations

45
times ranked

3465
citing authors

#	ARTICLE	IF	CITATIONS
1	Permafrost is warming at a global scale. <i>Nature Communications</i> , 2019, 10, 264.	12.8	1,039
2	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
3	A massive rock and ice avalanche caused the 2021 disaster at Chamoli, Indian Himalaya. <i>Science</i> , 2021, 373, 300-306.	12.6	304
4	Permafrost distribution in the European Alps: calculation and evaluation of an index map and summary statistics. <i>Cryosphere</i> , 2012, 6, 807-820.	3.9	203
5	Three-dimensional distribution and evolution of permafrost temperatures in idealized high-mountain topography. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	196
6	Geology, glacier retreat and permafrost degradation as controlling factors of slope instabilities in a high-mountain rock wall: the Monte Rosa east face. <i>Natural Hazards and Earth System Sciences</i> , 2006, 6, 761-772.	3.6	195
7	On the influence of topographic, geological and cryospheric factors on rock avalanches and rockfalls in high-mountain areas. <i>Natural Hazards and Earth System Sciences</i> , 2012, 12, 241-254.	3.6	152
8	Mountain permafrost: development and challenges of a young research field. <i>Journal of Glaciology</i> , 2010, 56, 1043-1058.	2.2	147
9	Transient thermal effects in Alpine permafrost. <i>Cryosphere</i> , 2009, 3, 85-99.	3.9	127
10	The changing thermal state of permafrost. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 10-23.	29.7	127
11	A statistical approach to modelling permafrost distribution in the European Alps or similar mountain ranges. <i>Cryosphere</i> , 2012, 6, 125-140.	3.9	115
12	Thermal characteristics of permafrost in the steep alpine rock walls of the Aiguille du Midi (Mont) Tj ETQq0 0 0 rgBTJ /Overlock 10 Tf 50 3	3.9	69
13	Global Climate. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, S9-S128.	3.3	61
14	GIS-based modelling of rock-ice avalanches from Alpine permafrost areas. <i>Computational Geosciences</i> , 2006, 10, 161-178.	2.4	57
15	Brief Communication: "An inventory of permafrost evidence for the European Alps". <i>Cryosphere</i> , 2011, 5, 651-657.	3.9	52
16	Twenty years of European mountain permafrost dynamics—the PACE legacy. <i>Environmental Research Letters</i> , 2020, 15, 104070.	5.2	50
17	Ice thawing, mountains falling—are alpine rock slope failures increasing?. <i>Geology Today</i> , 2012, 28, 98-104.	0.9	47
18	The December 2008 Crammont rock avalanche, Mont Blanc massif area, Italy. <i>Natural Hazards and Earth System Sciences</i> , 2011, 11, 3307-3318.	3.6	41

#	ARTICLE	IF	CITATIONS
19	Distinguishing ice-rich and ice-poor permafrost to map ground temperatures and ground ice occurrence in the Swiss Alps. <i>Cryosphere</i> , 2019, 13, 1925-1941.	3.9	39
20	Global Climate. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, S11-S142.	3.3	36
21	The influence of surface characteristics, topography and continentality on mountain permafrost in British Columbia. <i>Cryosphere</i> , 2015, 9, 1025-1038.	3.9	36
22	Semi-automated calibration method for modelling of mountain permafrost evolution in Switzerland. <i>Cryosphere</i> , 2016, 10, 2693-2719.	3.9	25
23	Changes in Ground Temperature and Dynamics in Mountain Permafrost in the Swiss Alps. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	23
24	Gap-Filling Algorithm for Ground Surface Temperature Data Measured in Permafrost and Periglacial Environments. <i>Permafrost and Periglacial Processes</i> , 2017, 28, 275-285.	3.4	18
25	Ground thermal and geomechanical conditions in a permafrost-affected high-latitude rock avalanche site (Polvartinden, northern Norway). <i>Cryosphere</i> , 2018, 12, 1531-1550.	3.9	18
26	Best Practice for Measuring Permafrost Temperature in Boreholes Based on the Experience in the Swiss Alps. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	18
27	A Comparison of Frequency Domain Electro-Magnetometry, Electrical Resistivity Tomography and Borehole Temperatures to Assess the Presence of Ice in a Rock Glacier. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	9
28	Long-term energy balance measurements at three different mountain permafrost sites in the Swiss Alps. <i>Earth System Science Data</i> , 2022, 14, 1531-1547.	9.9	5
29	The December 2008 Crammont Rock Avalanche, Mont Blanc Massif Area, Italy. , 2013, , 403-408.		2