

Nadine Salzmänn

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

2,489
citations

201385

27
h-index

223531

46
g-index

61
all docs

61
docs citations

61
times ranked

2993
citing authors

#	ARTICLE	IF	CITATIONS
1	Brief communication: Application of a muonic cosmic ray snow gauge to monitor the snow water equivalent on alpine glaciers. <i>Cryosphere</i> , 2022, 16, 799-806.	1.5	2
2	Continuous Spatio-Temporal High-Resolution Estimates of SWE Across the Swiss Alps – A Statistical Two-Step Approach for High-Mountain Topography. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	6
3	An Integrative and Joint Approach to Climate Impacts, Hydrological Risks and Adaptation in the Indian Himalayan Region. , 2020, , 553-573.		3
4	Can Weather Radars Be Used to Estimate Snow Accumulation on Alpine Glaciers? An Evaluation Based on Glaciological Surveys. <i>Journal of Hydrometeorology</i> , 2020, 21, 2943-2962.	0.7	7
5	Recent glacier and lake changes in High Mountain Asia and their relation to precipitation changes. <i>Cryosphere</i> , 2019, 13, 2977-3005.	1.5	64
6	Continuous and autonomous snow water equivalent measurements by a cosmic ray sensor on an alpine glacier. <i>Cryosphere</i> , 2019, 13, 3413-3434.	1.5	29
7	Climate change research in bilateral development programmes: experiences from India and Peru. <i>Development in Practice</i> , 2019, 29, 336-348.	0.6	1
8	Rapid decline of snow and ice in the tropical Andes – Impacts, uncertainties and challenges ahead. <i>Earth-Science Reviews</i> , 2018, 176, 195-213.	4.0	203
9	Comparison of climatic trends and variability among glacierized environments in the Western Himalayas. <i>Theoretical and Applied Climatology</i> , 2018, 134, 155-163.	1.3	8
10	Glacier Monitoring and Capacity Building: Important Ingredients for Sustainable Mountain Development. <i>Mountain Research and Development</i> , 2017, 37, 141-152.	0.4	10
11	The freezing level in the tropical Andes, Peru: An indicator for present and future glacier extents. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 5172-5189.	1.2	52
12	Climate corridors for strategic adaptation planning. <i>International Journal of Climate Change Strategies and Management</i> , 2017, 9, 811-828.	1.5	1
13	Re-establishing glacier monitoring in Kyrgyzstan and Uzbekistan, Central Asia. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2017, 6, 397-418.	0.6	29
14	Semi-automated calibration method for modelling of mountain permafrost evolution in Switzerland. <i>Cryosphere</i> , 2016, 10, 2693-2719.	1.5	25
15	Estimation of snowfall limit for the Kashmir Valley, Indian Himalayas, with TRMM-APR Bright Band information. <i>Meteorologische Zeitschrift</i> , 2016, 25, 501-509.	0.5	5
16	Mass Balance Re-analysis of Findelengletscher, Switzerland; Benefits of Extensive Snow Accumulation Measurements. <i>Frontiers in Earth Science</i> , 2016, 4, .	0.8	40
17	Robust climate scenarios for sites with sparse observations: a two-step bias correction approach. <i>International Journal of Climatology</i> , 2016, 36, 1226-1243.	1.5	44
18	Scientific Knowledge and Knowledge Needs in Climate Adaptation Policy: A Case Study of Diverse Mountain Regions. <i>Mountain Research and Development</i> , 2016, 36, 364.	0.4	22

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19	The Projected Precipitation Reduction over the Central Andes may Severely Affect Peruvian Glaciers and Hydropower Production. <i>Energy Procedia</i> , 2016, 97, 270-277.	1.8	13
20	Science in the Context of Climate Change Adaptation: Case Studies from the Peruvian Andes. , 2016, , 41-58.		1
21	Setting the Scene: Adapting to Climate Change – A Large-Scale Challenge with Local-Scale Impacts. , 2016, , 3-15.		0
22	Permafrost Studies in Kullu District, Himachal Pradesh. <i>Current Science</i> , 2016, 111, 550.	0.4	24
23	Facing unprecedented drying of the Central Andes? Precipitation variability over the period AD 1000–2100. <i>Environmental Research Letters</i> , 2015, 10, 084017.	2.2	65
24	Temperature, precipitation and related extremes in mountain areas. , 2015, , 28-49.		7
25	How useful and reliable are disaster databases in the context of climate and global change? A comparative case study analysis in Peru. <i>Natural Hazards and Earth System Sciences</i> , 2015, 15, 475-485.	1.5	44
26	Remotely sensed debris thickness mapping of Bara Shigri Glacier, Indian Himalaya. <i>Journal of Glaciology</i> , 2015, 61, 675-688.	1.1	58
27	Re-analysis of seasonal mass balance at Abramov glacier 1968–2014. <i>Journal of Glaciology</i> , 2015, 61, 1103-1117.	1.1	59
28	A framework for the science contribution in climate adaptation: Experiences from science-policy processes in the Andes. <i>Environmental Science and Policy</i> , 2015, 47, 80-94.	2.4	45
29	Estimating the volume of glaciers in the Himalayan–Karakoram region using different methods. <i>Cryosphere</i> , 2014, 8, 2313-2333.	1.5	203
30	Data and knowledge gaps in glacier, snow and related runoff research – A climate change adaptation perspective. <i>Journal of Hydrology</i> , 2014, 518, 225-234.	2.3	41
31	High uncertainty in 21st century runoff projections from glacierized basins. <i>Journal of Hydrology</i> , 2014, 510, 35-48.	2.3	89
32	Climate trends and glacier retreat in the Cordillera Blanca, Peru, revisited. <i>Global and Planetary Change</i> , 2014, 119, 85-97.	1.6	113
33	Modeled sensitivity of two alpine permafrost sites to RCM-based climate scenarios. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 780-794.	1.0	54
34	Missing (in-situ) snow cover data hampers climate change and runoff studies in the Greater Himalayas. <i>Science of the Total Environment</i> , 2013, 468-469, S60-S70.	3.9	47
35	Glacier changes and climate trends derived from multiple sources in the data scarce Cordillera Vilcanota region, southern Peruvian Andes. <i>Cryosphere</i> , 2013, 7, 103-118.	1.5	101
36	Permafrost model sensitivity to seasonal climatic changes and extreme events in mountainous regions. <i>Environmental Research Letters</i> , 2013, 8, 035048.	2.2	41

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37	Towards remote monitoring of sub-seasonal glacier mass balance. <i>Annals of Glaciology</i> , 2013, 54, 75-83.	2.8	34
38	Assessing the Performance of Multiple Regional Climate Model Simulations for Seasonal Mountain Snow in the Upper Colorado River Basin. <i>Journal of Hydrometeorology</i> , 2012, 13, 539-556.	0.7	39
39	The Swiss Alpine glaciers'™ response to the global -2%°C air temperature target™. <i>Environmental Research Letters</i> , 2012, 7, 044001.	2.2	23
40	Early warning systems: The 'œlast mile' of adaptation. <i>Eos</i> , 2012, 93, 209-210.	0.1	8
41	The potential of new measurement and modelling techniques in alpine cryosphere and geomorphology research. <i>Geographica Helvetica</i> , 2012, 67, 26-37.	0.4	0
42	Influence of atmospheric forcing parameters on modelled mountain permafrost evolution. <i>Meteorologische Zeitschrift</i> , 2010, 19, 491-500.	0.5	21
43	Recent and future warm extreme events and high-mountain slope stability. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 2435-2459.	1.6	147
44	Providing scientific basis for climate change adaptation strategies in the Andes region. <i>IOP Conference Series: Earth and Environmental Science</i> , 2009, 6, 392009.	0.2	1
45	IN BOX. <i>Bulletin of the American Meteorological Society</i> , 2008, 89, 1275-1284.	1.7	15
46	The application of Regional Climate Model output for the simulation of high-mountain permafrost scenarios. <i>Global and Planetary Change</i> , 2007, 56, 188-202.	1.6	72
47	Ground surface temperature scenarios in complex high-mountain topography based on regional climate model results. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	40
48	Three-dimensional distribution and evolution of permafrost temperatures in idealized high-mountain topography. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	196
49	Influence of different digital terrain models (DTMs) on alpine permafrost modeling. <i>Environmental Modeling and Assessment</i> , 2007, 12, 303-313.	1.2	0
50	Remote sensing of glacier- and permafrost-related hazards in high mountains: an overview. <i>Natural Hazards and Earth System Sciences</i> , 2005, 5, 527-554.	1.5	217
51	Assessment of the hazard potential of ice avalanches using remote sensing and GIS™ modelling. <i>Norsk Geografisk Tidsskrift</i> , 2004, 58, 74-84.	0.3	50
52	GIS™ based modeling of glacial hazards and their interactions using Landsat™ and IKONOS imagery. <i>Norsk Geografisk Tidsskrift</i> , 2004, 58, 61-73.	0.3	36
53	Multi-sensor analysis of monthly gridded snow precipitation on alpine glaciers. <i>Advances in Science and Research</i> , 0, 18, 7-20.	1.0	4
54	Integrated assessment and adaptation to climate change impacts in the Peruvian Andes. <i>Advances in Geosciences</i> , 0, 22, 35-39.	12.0	25