

Andreas Gobiet

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

7,854
citations

126708

33
h-index

205818

48
g-index

66
all docs

66
docs citations

66
times ranked

8211
citing authors

#	ARTICLE	IF	CITATIONS
1	21st Century alpine climate change. <i>Climate Dynamics</i> , 2023, 60, 65-86.	1.7	29
2	Klimawandel – Auswirkungen mit Blick auf den Tourismus. , 2021, , 19-46.		2
3	Application of physical snowpack models in support of operational avalanche hazard forecasting: A status report on current implementations and prospects for the future. <i>Cold Regions Science and Technology</i> , 2020, 170, 102910.	1.6	55
4	Regional climate downscaling over Europe: perspectives from the EURO-CORDEX community. <i>Regional Environmental Change</i> , 2020, 20, 1.	1.4	227
5	Quantile mapping for improving precipitation extremes from regional climate models. <i>Journal of Agrometeorology</i> , 2019, 21, 434-443.	0.2	2
6	Impacts of uncertainties in European gridded precipitation observations on regional climate analysis. <i>International Journal of Climatology</i> , 2017, 37, 305-327.	1.5	194
7	Impacts of climate change on stream flow and hydro power generation in the Alpine region. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	88
8	Assessing Climate Impacts on Hydropower Production: The Case of the Toce River Basin. <i>Climate</i> , 2016, 4, 16.	1.2	28
9	Debris-flow risk analysis in a managed torrent based on a stochastic life-cycle performance. <i>Science of the Total Environment</i> , 2016, 557-558, 142-153.	3.9	35
10	Precipitation in the EURO-CORDEX 0.11° and 0.44° simulations: high resolution, high benefits?. <i>Climate Dynamics</i> , 2016, 46, 383-412.	1.7	215
11	Selecting climate simulations for impact studies based on multivariate patterns of climate change. <i>Climatic Change</i> , 2016, 135, 381-393.	1.7	98
12	From climate simulations to statistics - Introducing the wux package. <i>Austrian Journal of Statistics</i> , 2016, 45, 81-96.	0.2	1
13	Robustness of Ensemble Climate Projections Analyzed with Climate Signal Maps: Seasonal and Extreme Precipitation for Germany. <i>Atmosphere</i> , 2015, 6, 677-698.	1.0	55
14	The effect of empirical-statistical correction of intensity-dependent model errors on the temperature climate change signal. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 4055-4066.	1.9	54
15	Regional climate hindcast simulations within EURO-CORDEX: evaluation of a WRF multi-physics ensemble. <i>Geoscientific Model Development</i> , 2015, 8, 603-618.	1.3	175
16	Scenarios of Future Snow Conditions in Styria (Austrian Alps). <i>Journal of Hydrometeorology</i> , 2015, 16, 261-277.	0.7	41
17	Evaluation of CMIP5 Models in the Context of Dynamical Downscaling over Europe. <i>Journal of Climate</i> , 2015, 28, 5575-5582.	1.2	32
18	An independent and combined effect analysis of land use and climate change in the upper Rhone River watershed, Switzerland. <i>Applied Geography</i> , 2015, 63, 264-272.	1.7	37

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19	The role of regional climate model setup in simulating two extreme precipitation events in the European Alpine region. <i>Climate Dynamics</i> , 2015, 44, 299-314.	1.7	3
20	Investigation of Climate Change Impact on Water Resources for an Alpine Basin in Northern Italy: Implications for Evapotranspiration Modeling Complexity. <i>PLoS ONE</i> , 2014, 9, e109053.	1.1	21
21	Station-scale bias correction and uncertainty analysis for the estimation of irrigation water requirements in the Swiss Rhone catchment under climate change. <i>Climatic Change</i> , 2014, 127, 521-534.	1.7	17
22	The European climate under a 2°C global warming. <i>Environmental Research Letters</i> , 2014, 9, 034006.	2.2	292
23	Regional climate modeling on European scales: a joint standard evaluation of the EURO-CORDEX RCM ensemble. <i>Geoscientific Model Development</i> , 2014, 7, 1297-1333.	1.3	711
24	EURO-CORDEX: new high-resolution climate change projections for European impact research. <i>Regional Environmental Change</i> , 2014, 14, 563-578.	1.4	1,758
25	Extended regional climate model projections for Europe until the mid-twentyfirst century: combining ENSEMBLES and CMIP3. <i>Climate Dynamics</i> , 2014, 42, 521-535.	1.7	22
26	Possible impacts of climate change on debris-flow activity in the Swiss Alps. <i>Climatic Change</i> , 2014, 122, 141-155.	1.7	99
27	Implications of climate change scenarios for agriculture in alpine regions – A case study in the Swiss Rhone catchment. <i>Science of the Total Environment</i> , 2014, 493, 1232-1241.	3.9	45
28	21st century climate change in the European Alps – A review. <i>Science of the Total Environment</i> , 2014, 493, 1138-1151.	3.9	746
29	Effects of climate change on regional energy systems focussing on space heating and cooling: A case study of Austria. <i>Thermal Science</i> , 2014, 18, 771-786.	0.5	3
30	Added value of convection permitting seasonal simulations. <i>Climate Dynamics</i> , 2013, 41, 2655-2677.	1.7	221
31	Multi-variable error correction of regional climate models. <i>Climatic Change</i> , 2013, 120, 871-887.	1.7	188
32	Downscaled climate change projections with uncertainty assessment over India using a high resolution multi-model approach. <i>Science of the Total Environment</i> , 2013, 468-469, S18-S30.	3.9	138
33	The simulation of European heat waves from an ensemble of regional climate models within the EURO-CORDEX project. <i>Climate Dynamics</i> , 2013, 41, 2555-2575.	1.7	290
34	Comparison of climate change signals in CMIP3 and CMIP5 multi-model ensembles and implications for Central Asian glaciers. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 3661-3677.	1.9	65
35	Projections of future water resources and their uncertainty in a glacierized catchment in the Swiss Alps and the subsequent effects on hydropower production during the 21st century. <i>Water Resources Research</i> , 2012, 48, .	1.7	126
36	Empirical-statistical downscaling and error correction of regional climate models and its impact on the climate change signal. <i>Climatic Change</i> , 2012, 112, 449-468.	1.7	458

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37	The future of dry and wet spells in Europe: a comprehensive study based on the ENSEMBLES regional climate models. <i>International Journal of Climatology</i> , 2012, 32, 1951-1970.	1.5	128
38	Analysis of uncertainty in large scale climate change projections over Europe. <i>Meteorologische Zeitschrift</i> , 2011, 20, 383-395.	0.5	35
39	Error characteristics of high resolution regional climate models over the Alpine area. <i>Climate Dynamics</i> , 2011, 37, 377-390.	1.7	60
40	Empirical statistical downscaling and error correction of daily precipitation from regional climate models. <i>International Journal of Climatology</i> , 2011, 31, 1530-1544.	1.5	537
41	Parameterization-Induced Error Characteristics of MM5 and WRF Operated in Climate Mode over the Alpine Region: An Ensemble-Based Analysis. <i>Journal of Climate</i> , 2011, 24, 3107-3123.	1.2	78
42	Observing upper troposphere–lower stratosphere climate with radio occultation data from the CHAMP satellite. <i>Climate Dynamics</i> , 2008, 31, 49-65.	1.7	98
43	High Resolution Sensitivity Studies with the Regional Climate Model CCLM in the Alpine Region. <i>Meteorologische Zeitschrift</i> , 2008, 17, 467-476.	0.5	51
44	Retrieval of temperature profiles from CHAMP for climate monitoring: intercomparison with Envisat MIPAS and GOMOS and different atmospheric analyses. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 3519-3536.	1.9	60
45	Evaluation of a dynamic-diagnostic modelling approach to generate highly resolved wind fields in the Alpine region. <i>Meteorologische Zeitschrift</i> , 2007, 16, 191-201.	0.5	4
46	Ozone and Temperature Retrieval Results from GOMOS Validated with CHAMP and ECMWF. , 2006, , 55-66.		0
47	Global Climatologies Based on Radio Occultation Data: The CHAMPCLIM Project. , 2006, , 303-314.		12
48	Pre-Operational Retrieval of Radio Occultation Based Climatologies. , 2006, , 315-323.		12
49	GPS Radio Occultation with CHAMP: Comparison of Atmospheric Profiles from GFZ Potsdam and IGAM Graz. , 2005, , 525-530.		3
50	Evaluation of Stratospheric Radio Occultation Retrieval Using Data from CHAMP, MIPAS, GOMOS, and ECMWF Analysis Fields. , 2005, , 531-536.		5
51	The CHAMPCLIM Project: An Overview. , 2005, , 615-620.		16
52	Climatological validation of stratospheric temperatures in ECMWF operational analyses with CHAMP radio occultation data. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	63
53	Advancements of Global Navigation Satellite System radio occultation retrieval in the upper stratosphere for optimal climate monitoring utility. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	72
54	Advancement of GNSS Radio Occultation Retrieval in the Upper Stratosphere. , 2004, , 137-148.		7

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55	Stratospheric Temperature and Ozone Sounding with ENVISAT/GOMOS Stellar Occultation. , 2004, , 299-308.		5
56	Urban Air Pollution Monitoring with DOAS Considering the Local Meteorological Situation. Environmental Monitoring and Assessment, 2000, 65, 119-127.	1.3	5