

# Kirsten Warrach-Sagi

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

1,780  
citations

430754

18  
h-index

454834

30  
g-index

47  
all docs

47  
docs citations

47  
times ranked

2389  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Regional climate downscaling over Europe: perspectives from the EURO-CORDEX community. <i>Regional Environmental Change</i> , 2020, 20, 1.	1.4	227
3	The first multi-model ensemble of regional climate simulations at kilometer-scale resolution, part I: evaluation of precipitation. <i>Climate Dynamics</i> , 2021, 57, 275-302.	1.7	114
4	Evaluation of a climate simulation in Europe based on the WRF-NOAH model system: precipitation in Germany. <i>Climate Dynamics</i> , 2013, 41, 755-774.	1.7	109
5	Evaluation of the Large EURO-CORDEX Regional Climate Model Ensemble. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2019JD032344.	1.2	109
6	Assessment of the European Climate Projections as Simulated by the Large EURO-CORDEX Regional and Global Climate Model Ensemble. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2019JD032356.	1.2	104
7	Prospects of Bioenergy Cropping Systems for A More Social-Ecologically Sound Bioeconomy. <i>Agronomy</i> , 2019, 9, 605.	1.3	89
8	Land-atmosphere coupling in EURO-CORDEX evaluation experiments. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 79-103.	1.2	84
9	Toward seamless hydrologic predictions across spatial scales. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 4323-4346.	1.9	81
10	Catchments as reactors: a comprehensive approach for water fluxes and solute turnover. <i>Environmental Earth Sciences</i> , 2013, 69, 317-333.	1.3	71
11	Biogeophysical impacts of forestation in Europe: first results from the LUCAS (Land Use and Climate) Tj ETQq1 1 0.784314 rgBT /Over to	2.7	82
12	Investigation of PBL schemes combining the WRF model simulations with scanning water vapor differential absorption lidar measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 624-649.	1.2	56
13	Validation of TERRA-ML with discharge measurements. <i>Meteorologische Zeitschrift</i> , 2008, 17, 763-773.	0.5	47
14	Incorporating dynamic root growth enhances the performance of Noah-MP at two contrasting winter wheat field sites. <i>Water Resources Research</i> , 2014, 50, 1337-1356.	1.7	47
15	Predictive skill of a subset of models participating in D-PHASE in the COPS region. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2011, 137, 287-305.	1.0	42
16	Three year observations of water vapor and energy fluxes over agricultural crops in two regional climates of Southwest Germany. <i>Meteorologische Zeitschrift</i> , 2015, 24, 39-59.	0.5	35
17	Evaluating Soil Water Content in a WRF-Noah Downscaling Experiment. <i>Journal of Applied Meteorology and Climatology</i> , 2013, 52, 2312-2327.	0.6	28
18	The Impact of Plantations on Weather and Climate in Coastal Desert Regions. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 1143-1169.	0.6	23

#	ARTICLE	IF	CITATIONS
19	Multi-nested WRF simulations for studying planetary boundary layer processes on the turbulence-permitting scale in a realistic mesoscale environment. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 72, 1761740.	0.8	17
20	Land Cover Impacts on Land-Atmosphere Coupling Strength in Climate Simulations With WRF Over Europe. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031989.	1.2	17
21	Streamflow simulations reveal the impact of the soil parameterization. <i>Meteorologische Zeitschrift</i> , 2008, 17, 751-762.	0.5	16
22	Continuous high-resolution midlatitude-belt simulations for July-August 2013 with WRF. <i>Geoscientific Model Development</i> , 2017, 10, 2031-2055.	1.3	16
23	Internal variability versus multi-physics uncertainty in a regional climate model. <i>International Journal of Climatology</i> , 2021, 41, E656.	1.5	13
24	Deriving user-informed climate information from climate model ensemble results. <i>Advances in Science and Research</i> , 0, 14, 261-269.	1.0	12
25	Sensitivity of land-atmosphere coupling strength to changing atmospheric temperature and moisture over Europe. <i>Earth System Dynamics</i> , 2022, 13, 109-132.	2.7	11
26	Field significance of performance measures in the context of regional climate model evaluation. Part 2: precipitation. <i>Theoretical and Applied Climatology</i> , 2018, 132, 239-261.	1.3	10
27	Field significance of performance measures in the context of regional climate model evaluation. Part 1: temperature. <i>Theoretical and Applied Climatology</i> , 2018, 132, 219-237.	1.3	9
28	Near-global-scale high-resolution seasonal simulations with WRF-Noah-MP v.3.8.1. <i>Geoscientific Model Development</i> , 2020, 13, 1959-1974.	1.3	8
29	A Regional Climate Model Simulation for EURO-CORDEX with the WRF Model. , 2013, , 147-157.		7
30	User tailored results of a regional climate model ensemble to plan adaption to the changing climate in Germany. <i>Advances in Science and Research</i> , 0, 16, 241-249.	1.0	7
31	Hazel Hen - leading HPC technology and its impact on science in Germany and Europe. <i>Parallel Computing</i> , 2017, 64, 3-11.	1.3	5
32	High Resolution WRF Simulations for Climate Change Studies in Germany. , 2018, , 431-440.		3
33	Seasonal Simulation of Weather Extremes. , 2018, , 441-451.		3
34	High-Resolution WRF Model Simulations of Critical Land Surface-Atmosphere Interactions Within Arid and Temperate Climates (WRFCLIM). , 2016, , 607-622.		2
35	Turbulence-permitting air pollution simulation for the Stuttgart metropolitan area. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 4575-4597.	1.9	2
36	High Resolution Climate Projections Using the WRF Model on the HLRS. , 2016, , 173-184.		2

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37	Downscaling of seasonal ensemble forecasts to the convection-permitting scale over the Horn of Africa using the WRF model. International Journal of Climatology, 2021, 41, E1791.	1.5	1
38	High-Resolution Latitude Belt Simulation with the Weather Research and Forecasting Model. , 2015, , 185-194.		1
39	Influence of Drainage Parameterization and Precipitation Analysis on Discharge Simulation in the Sieg River Catchment. Lecture Notes in Earth Sciences, 2009, , 101-115.	0.5	0
40	High-Resolution Climate Predictions and Short-Range Forecasts to Improve the Process Understanding and the Representation of Land-Surface Interactions in the WRF Model in Southwest Germany (WRFCLIM). , 2012, , 513-521.		0
41	High-Resolution Climate Predictions and Short-Range Forecasts to Improve the Process Understanding and the Representation of Land-Surface Interactions in the WRF Model in Southwest Germany (WRFCLIM). , 2013, , 529-542.		0
42	Climate Change Studies for Germany and Europe Using High Resolution WRF Simulations. , 2019, , 369-382.		0
43	Publication and Analyses of High-Resolution Regional Climate Simulations for Europe. , 2021, , 463-467.		0