

Klaus Goergen

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

4,269
citations

257101

24
h-index

243296

44
g-index

65
all docs

65
docs citations

65
times ranked

5127
citing authors

#	ARTICLE	IF	CITATIONS
1	Groundwater Model Impacts Multiannual Simulations of Heat Waves. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	6
2	Internal variability versus multi-physi uncertainty in a regional climate model. <i>International Journal of Climatology</i> , 2021, 41, E656.	1.5	13
3	An Interannual Probabilistic Assessment of Subsurface Water Storage Over Europe Using a Fully Coupled Terrestrial Model. <i>Water Resources Research</i> , 2021, 57, e2020WR027828.	1.7	11
4	A climate service for ecologists: sharing pre-processed EURO-CORDEX regional climate scenario data using the eLTER Information System. <i>Earth System Science Data</i> , 2021, 13, 631-644.	3.7	7
5	The first multi-model ensemble of regional climate simulations at kilometer-scale resolution part 2: historical and future simulations of precipitation. <i>Climate Dynamics</i> , 2021, 56, 3581-3602.	1.7	101
6	Boundary condition and oceanic impacts on the atmospheric water balance in limited area climate model ensembles. <i>Scientific Reports</i> , 2021, 11, 6228.	1.6	7
7	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
8	Reanalysis in Earth System Science: Toward Terrestrial Ecosystem Reanalysis. <i>Reviews of Geophysics</i> , 2021, 59, e2020RG000715.	9.0	24
9	A first-of-its-kind multi-model convection permitting ensemble for investigating convective phenomena over Europe and the Mediterranean. <i>Climate Dynamics</i> , 2020, 55, 3-34.	1.7	176
10	Effects of land surface inhomogeneity on convection-permitting WRF simulations over central Europe. <i>Meteorology and Atmospheric Physics</i> , 2020, 132, 53-69.	0.9	12
11	Evaluation and projected changes of precipitation statistics in convection-permitting WRF climate simulations over Central Europe. <i>Climate Dynamics</i> , 2020, 55, 325-341.	1.7	59
12	Regional climate downscaling over Europe: perspectives from the EURO-CORDEX community. <i>Regional Environmental Change</i> , 2020, 20, 1.	1.4	227
13	Infiltration from the Pedon to Global Grid Scales: An Overview and Outlook for Land Surface Modeling. <i>Vadose Zone Journal</i> , 2019, 18, 1-53.	1.3	56
14	Future Heat Waves in Different European Capitals Based on Climate Change Indicators. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3959.	1.2	16
15	Improving soil moisture and runoff simulations at 3 km over Europe using land surface data assimilation. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 277-301.	1.9	22
16	Pan-European groundwater to atmosphere terrestrial systems climatology from a physically consistent simulation. <i>Scientific Data</i> , 2019, 6, 320.	2.4	27
17	Land-Atmosphere Coupling Regimes in a Future Climate in Africa: From Model Evaluation to Projections Based on CORDEX-Africa. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 11118-11142.	1.2	18
18	A run control framework to streamline profiling, porting, and tuning simulation runs and provenance tracking of geoscientific applications. <i>Geoscientific Model Development</i> , 2018, 11, 2875-2895.	1.3	3

#	ARTICLE	IF	CITATIONS
37	Inferring catchment precipitation by doing hydrology backward: A test in 24 small and mesoscale catchments in Luxembourg. <i>Water Resources Research</i> , 2012, 48, .	1.7	29
38	The benefit of modeled ozone data for the reconstruction of a 99-year UV radiation time series. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	3
39	Spring air temperature accounts for the bimodal temporal distribution of <i>Septoria tritici</i> epidemics in the winter wheat stands of Luxembourg. <i>Crop Protection</i> , 2012, 42, 250-255.	1.0	18
40	ISPOL weather conditions in the context of long-term climate variability in the north-western Weddell Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008, 55, 918-932.	0.6	9
41	Influence of savanna fire on Australian monsoon season precipitation and circulation as simulated using a distributed computing environment. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	29
42	Impact of abrupt land cover changes by savanna fire on northern Australian climate. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	25
43	Spatial and temporal variability of sea ice in the Laptev Sea: Analyses and review of satellite passive-microwave data and model results, 1979 to 2002. <i>Global and Planetary Change</i> , 2005, 48, 28-54.	1.6	73
44	An observational and modelling analysis of Laptev Sea (Arctic Ocean) ice variations during summer. <i>Annals of Glaciology</i> , 2001, 33, 533-538.	2.8	4