Klaus Goergen

List of Publications by Year in descending order

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257101 243296 4,269 44 24 44 h-index citations g-index papers 65 65 65 5127 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Groundwater Model Impacts Multiannual Simulations of Heat Waves. Geophysical Research Letters, 2022, 49, .	1.5	6
2	Internal variability versus multiâ€physics uncertainty in a regional climate model. International Journal of Climatology, 2021, 41, E656.	1. 5	13
3	An Interannual Probabilistic Assessment of Subsurface Water Storage Over Europe Using a Fully Coupled Terrestrial Model. Water Resources Research, 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. Earth System Science Data, 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. Climate Dynamics, 2021, 56, 3581-3602.	1.7	101
6	Boundary condition and oceanic impacts on the atmospheric water balance in limited area climate model ensembles. Scientific Reports, 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. Climate Dynamics, 2021, 57, 275-302.	1.7	114
8	Reanalysis in Earth System Science: Toward Terrestrial Ecosystem Reanalysis. Reviews of Geophysics, 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. Climate Dynamics, 2020, 55, 3-34.	1.7	176
10	Effects of land surface inhomogeneity on convection-permitting WRF simulations over central Europe. Meteorology and Atmospheric Physics, 2020, 132, 53-69.	0.9	12
11	Evaluation and projected changes of precipitation statistics in convection-permitting WRF climate simulations over Central Europe. Climate Dynamics, 2020, 55, 325-341.	1.7	59
12	Regional climate downscaling over Europe: perspectives from the EURO-CORDEX community. Regional Environmental Change, 2020, 20, 1.	1.4	227
13	Infiltration from the Pedon to Global Grid Scales: An Overview and Outlook for Land Surface Modeling. Vadose Zone Journal, 2019, 18, 1-53.	1.3	56
14	Future Heat Waves in Different European Capitals Based on Climate Change Indicators. International Journal of Environmental Research and Public Health, 2019, 16, 3959.	1.2	16
15	Improving soil moisture and runoff simulations at 3 km over Europe using land surface data assimilation. Hydrology and Earth System Sciences, 2019, 23, 277-301.	1.9	22
16	Pan-European groundwater to atmosphere terrestrial systems climatology from a physically consistent simulation. Scientific Data, 2019, 6, 320.	2.4	27
17	Landâ€Atmosphere Coupling Regimes in a Future Climate in Africa: From Model Evaluation to Projections Based on CORDEXâ€Africa. Journal of Geophysical Research D: Atmospheres, 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. Geoscientific Model Development, 2018, 11, 2875-2895.	1.3	3

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19	Currently legislated decreases in nitrogen deposition will yield only limited plant species recovery in European forests. Environmental Research Letters, 2018, 13, 125010.	2.2	32
20	Introduction of an Experimental Terrestrial Forecasting/Monitoring System at Regional to Continental Scales Based on the Terrestrial Systems Modeling Platform (v1.1.0). Water (Switzerland), 2018, 10, 1697.	1.2	17
21	Modelling study of soil C, N and pH response to air pollution and climate change using European LTER site observations. Science of the Total Environment, 2018, 640-641, 387-399.	3.9	17
22	Landâ€atmosphere coupling in EUROâ€CORDEX evaluation experiments. Journal of Geophysical Research D: Atmospheres, 2017, 122, 79-103.	1.2	84
23	Studying the influence of groundwater representations on land surfaceâ€atmosphere feedbacks during the European heat wave in 2003. Journal of Geophysical Research D: Atmospheres, 2016, 121, 13,301.	1.2	74
24	Precipitation in the EURO-CORDEX \$\$0.11^{circ}\$\$ 0.11 \hat{a} and \$\$0.44^{circ}\$\$ 0.44 \hat{a} simulations: high resolution, high benefits?. Climate Dynamics, 2016, 46, 383-412.	1.7	215
25	Daily precipitation statistics in a EURO-CORDEX RCM ensemble: added value of raw and bias-corrected high-resolution simulations. Climate Dynamics, 2016, 47, 719-737.	1.7	85
26	Regional climate hindcast simulations within EURO-CORDEX: evaluation of a WRF multi-physics ensemble. Geoscientific Model Development, 2015, 8, 603-618.	1.3	175
27	A review on regional convectionâ€permitting climate modeling: Demonstrations, prospects, and challenges. Reviews of Geophysics, 2015, 53, 323-361.	9.0	907
28	Fire in Australian savannas: from leaf to landscape. Global Change Biology, 2015, 21, 62-81.	4.2	88
29	Implementation and scaling of the fully coupled Terrestrial Systems Modeling Platform (TerrSysMP) Tj ETQq1 1 0. Geoscientific Model Development, 2014, 7, 2531-2543.	784314 rş 1.3	
30	Shifted migration of the rape stem weevil Ceutorhynchus napi (Coleoptera: Curculionidae) linked to climate change. European Journal of Entomology, 2014, 111, 243-250.	1.2	13
31	Regional climate modeling on European scales: a joint standard evaluation of the EURO-CORDEX RCM ensemble. Geoscientific Model Development, 2014, 7, 1297-1333.	1.3	711
32	ENSEMBLES-based assessment of regional climate effects in Luxembourg and their impact on vegetation. Climatic Change, 2013, 119, 761-773.	1.7	19
33	Quantifying uncertainty sources in an ensemble of hydrological climateâ€impact projections. Water Resources Research, 2013, 49, 1523-1536.	1.7	284
34	The simulation of European heat waves from an ensemble of regional climate models within the EURO-CORDEX project. Climate Dynamics, 2013, 41, 2555-2575.	1.7	290
35	Modelling the impact of climate change on the productivity and water-use efficiency of a central European beech forest. Climate Research, 2013, 58, 81-95.	0.4	28
36	Ensemble-based analysis of regional climate change effects on the cabbage stem weevil (<i>Ceutorhynchus pallidactylus</i> (Mrsh.)) in winter oilseed rape (<i>Brassica napus</i> L.). Journal of Agricultural Science, 2012, 150, 191-202.	0.6	25

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37	Inferring catchment precipitation by doing hydrology backward: A test in 24 small and mesoscale catchments in Luxembourg. Water Resources Research, 2012, 48, .	1.7	29
38	The benefit of modeled ozone data for the reconstruction of a 99 \hat{a} ear UV radiation time series. Journal of Geophysical Research, 2012, 117, .	3.3	3
39	Spring air temperature accounts for the bimodal temporal distribution of Septoria tritici epidemics in the winter wheat stands of Luxembourg. Crop Protection, 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. Deep-Sea Research Part II: Topical Studies in Oceanography, 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. Geophysical Research Letters, 2007, 34, .	1.5	29
42	Impact of abrupt land cover changes by savanna fire on northern Australian climate. Journal of Geophysical Research, 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. Global and Planetary Change, 2005, 48, 28-54.	1.6	73
44	An observational and modelling analysis of Laptev Sea (Arctic Ocean) ice variations during summer. Annals of Glaciology, 2001, 33, 533-538.	2.8	4