Stefan P Sobolowski

List of Publications by Year
in descending order

52	2,481	304602 22	206029 48
papers	citations	h-index	g-index

79	79	79	3548
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Designing and evaluating regional climate simulations for high latitude land use land cover change studies. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 72, 1853437.	0.8	12
2	Precipitation over southern Africa: is there consensus among global climate models (GCMs), regional climate models (RCMs) and observational data?. Geoscientific Model Development, 2022, 15, 3387-3404.	1.3	10
3	Internal variability versus multiâ€physics uncertainty in a regional climate model. International Journal of Climatology, 2021, 41, E656.	1.5	13
4	Impact of Quasiâ€Idealized Future Land Cover Scenarios at High Latitudes in Complex Terrain. Earth's Future, 2021, 9, e2020EF001838.	2.4	12
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	Physical processes driving intensification of future precipitation in the mid- to high latitudes. Environmental Research Letters, 2021, 16, 034051.	2.2	10
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	North Atlantic Oscillation in winter is largely insensitive to autumn Barents-Kara sea ice variability. Science Advances, 2021, 7, .	4.7	8
9	Mass balance and hydrological modeling of the HardangerjÃ¸kulen ice cap in south-central Norway. Hydrology and Earth System Sciences, 2021, 25, 4275-4297.	1.9	9
10	Resampling of ENSO teleconnections: accounting for cold-season evolution reduces uncertainty in the North Atlantic. Weather and Climate Dynamics, 2021, 2, 759-776.	1.2	8
11	Extreme wind projections over Europe from the Euro-CORDEX regional climate models. Weather and Climate Extremes, 2021, 33, 100363.	1.6	23
12	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
13	A physically based precipitation separation algorithm for convectionâ€permitting models over complex topography. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 748-761.	1.0	14
14	The impact of initial conditions on convection-permitting simulations of a flood event over complex mountainous terrain. Hydrology and Earth System Sciences, 2020, 24, 771-791.	1.9	14
15	The Change in the ENSO Teleconnection under a Low Global Warming Scenario and the Uncertainty due to Internal Variability. Journal of Climate, 2020, 33, 4871-4889.	1.2	12
16	Regional climate downscaling over Europe: perspectives from the EURO-CORDEX community. Regional Environmental Change, 2020, 20, 1.	1.4	227
17	Intermittency of Arcticâ€“mid-latitude teleconnections: stratospheric pathway between autumn sea ice and the winter North Atlantic Oscillation. Weather and Climate Dynamics, 2020, 1, 261-275.	1.2	28
18	Trials, Errors, and Improvements in Coproduction of Climate Services. Bulletin of the American Meteorological Society, 2019, 100, 1419-1428.	1.7	23

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19	Future projections of cyclone activity in the Arctic for the 21st century from regional climate models (Arctic-CORDEX). Global and Planetary Change, 2019, 182, 103005.	1.6	32
20	Largeâ€scale regional model biases in the extratropical North Atlantic storm track and impacts on downstream precipitation. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 2718-2732.	1.0	7
21	Trends of intense cyclone activity in the Arctic from reanalyses data and regional climate models (Arctic-CORDEX). IOP Conference Series: Earth and Environmental Science, 2019, 231, 012003.	0.2	3
22	Toward a multi-faceted conception of co-production of climate services. Climate Services, 2019, 13, 42-50.	1.0	119
23	Importance of Late Fall ENSO Teleconnection in the Euro-Atlantic Sector. Bulletin of the American Meteorological Society, 2018, 99, 1337-1343.	1.7	50
24	Climate Impacts in Europe Under +1.5Â°C Global Warming. Earth's Future, 2018, 6, 264-285.	2.4	130
25	Cyclone Activity in the Arctic From an Ensemble of Regional Climate Models (Arctic CORDEX). Journal of Geophysical Research D: Atmospheres, 2018, 123, 2537-2554.	1.2	46
26	Asian droughts in the last millennium: a search for robust impacts of Pacific Ocean surface temperature variabilities. Climate Dynamics, 2018, 50, 4671-4689.	1.7	19
27	Improving the Reliability and Added Value of Dynamical Downscaling via Correction of Largeâ€Scale Errors: A Norwegian Perspective. Journal of Geophysical Research D: Atmospheres, 2018, 123, 11,875-11,888.	1.2	14
28	Convective processes in high resolution models: Impact of the lead time of the simulation. Acta De Las Jornadas CientÃficas De La AsociaciÃ³n MeteorolÃ³gica EspaÃ±ola, 2018, 1, .	0.0	0
29	An Evolving Framework for Advancing Climate Services in Norway. Eos, 2018, 99, .	0.1	0
30	How long can we keep doing this? Sustainability as a strictly temporal concept. Journal of Environmental Studies and Sciences, 2017, 7, 274-287.	0.9	3
31	Particulate matter air pollution in Europe in aÂ+2ÂÂ°C warming world. Atmospheric Environment, 2017, 154, 129-140.	1.9	19
32	Evaluating the present annual water budget of a Himalayan headwater river basin using a highâ€resolution atmosphereâ€hydrology model. Journal of Geophysical Research D: Atmospheres, 2017, 122, 4786-4807.	1.2	51
33	Quantifying the role of landâ€“atmosphere feedbacks in mediating nearâ€surface temperature persistence. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 1620-1631.	1.0	8
34	Landâ€atmosphere coupling in EUROâ€CORDEX evaluation experiments. Journal of Geophysical Research D: Atmospheres, 2017, 122, 79-103.	1.2	84
35	Impact of emissions andÂ+2ÂÂ°C climate change upon future ozone and nitrogen dioxide over Europe. Atmospheric Environment, 2016, 142, 271-285.	1.9	31
36	Investigating Possible Arcticâ€“Midlatitude Teleconnections in a Linear Framework. Journal of Climate, 2016, 29, 7329-7343.	1.2	36

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37	Simulation of Diurnal Rainfall Variability over the Maritime Continent with a High-Resolution Regional Climate Model. Journal of the Meteorological Society of Japan, 2016, 94A, 89-103.	0.7	19
38	European Air Quality Simulations in the Context of IMPACT2C, Focus on Aerosol Concentrations. Springer Proceedings in Complexity, 2016, , 213-217.	0.2	0
39	Intraseasonal Persistence of European Surface Temperatures. Journal of Climate, 2015, 28, 5365-5374.	1.2	9
40	Identifying added value in high-resolution climate simulations over Scandinavia. Tellus, Series A: Dynamic Meteorology and Oceanography, 2015, 67, 24941.	0.8	17
41	Regional climate hindcast simulations within EURO-CORDEX: evaluation of a WRF multi-physics ensemble. Geoscientific Model Development, 2015, 8, 603-618.	1.3	175
42	The impact of meteorological forcings on gas phase air pollutants over Europe. Atmospheric Environment, 2015, 119, 240-257.	1.9	12
43	Assessment of downscaled current and future projections of diurnal rainfall patterns for the Himalaya. Journal of Geophysical Research D: Atmospheres, 2014, 119, 12,533-12,545.	1.2	9
44	The European climate under a 2â€‰Â°C global warming. Environmental Research Letters, 2014, 9, 034006.	2.2	292
45	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
46	Evaluation of present and future North American Regional Climate Change Assessment Program (NARCCAP) regional climate simulations over the southeast United States. Journal of Geophysical Research, 2012, 117, .	3.3	31
47	Changes in orographic precipitation patterns caused by a shift from snow to rain. Geophysical Research Letters, 2012, 39, .	1.5	41
48	Investigating the Linear and Nonlinear Stationary Wave Response to Anomalous North American Snow Cover. Journals of the Atmospheric Sciences, 2011, 68, 904-917.	0.6	5
49	Modeling Irrigated Area to Increase Water, Energy, and Food Security in Semiarid India. Weather, Climate, and Society, 2010, 2, 255-270.	0.5	12
50	Modeled Climate State and Dynamic Responses to Anomalous North American Snow Cover. Journal of Climate, 2010, 23, 785-799.	1.2	36
51	Northern Hemisphere winter climate variability: Response to North American snow cover anomalies and orography. Geophysical Research Letters, 2007, 34, .	1.5	14
52	Lagged relationships between North American snow mass and atmospheric teleconnection indices. International Journal of Climatology, 2007, 27, 221-231.	1.5	30