

# Markku Rummukainen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10556150/publications.pdf>

Version: 2024-02-01

18  
papers

2,589  
citations

567144

15  
h-index

839398

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

3721  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating the performance and utility of regional climate models: the PRUDENCE project. <i>Climatic Change</i> , 2007, 81, 1-6.	1.7	606
2	State-of-the-art with regional climate models. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2010, 1, 82-96.	3.6	485
3	Impact of soil moisture-climate feedbacks on CMIP5 projections: First results from the GLACE-CMIP5 experiment. <i>Geophysical Research Letters</i> , 2013, 40, 5212-5217.	1.5	314
4	Prolonged stratospheric ozone loss in the 1995-96 Arctic winter. <i>Nature</i> , 1997, 389, 835-838.	13.7	216
5	Added value in regional climate modeling. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2016, 7, 145-159.	3.6	188
6	Observational evidence for chemical ozone depletion over the Arctic in winter 1991-92. <i>Nature</i> , 1995, 375, 131-134.	13.7	178
7	Progress in regional downscaling of west African precipitation. <i>Atmospheric Science Letters</i> , 2011, 12, 75-82.	0.8	146
8	Changes in climate and weather extremes in the 21st century. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2012, 3, 115-129.	3.6	125
9	A model of the coupled dynamics of climate, vegetation and terrestrial ecosystem biogeochemistry for regional applications. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 63, 87.	0.8	70
10	Vegetation-climate feedbacks modulate rainfall patterns in Africa under future climate change. <i>Earth System Dynamics</i> , 2016, 7, 627-647.	2.7	46
11	Challenges in Regional-Scale Climate Modeling. <i>Bulletin of the American Meteorological Society</i> , 2011, 92, 365-368.	1.7	42
12	The Swedish Regional Climate Modelling Programme, SWECLIM: A Review. <i>Ambio</i> , 2004, 33, 176-182.	2.8	40
13	Climate change: changing means and changing extremes. <i>Climatic Change</i> , 2013, 121, 3-13.	1.7	35
14	Twenty-First-Century Challenges in Regional Climate Modeling. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, ES135-ES138.	1.7	29
15	Temporal development of ozone within the Arctic Vortex during the winter of 1991/92. <i>Geophysical Research Letters</i> , 1994, 21, 1407-1410.	1.5	26
16	Contributions of soil moisture interactions to climate change in the tropics in the GLACE-CMIP5 experiment. <i>Climate Dynamics</i> , 2015, 45, 3275-3297.	1.7	24
17	Contributions of soil moisture interactions to future precipitation changes in the GLACE-CMIP5 experiment. <i>Climate Dynamics</i> , 2017, 49, 1681-1704.	1.7	12
18	Vegetation-Climate Feedbacks Enhance Spatial Heterogeneity of Pan-Amazonian Ecosystem States Under Climate Change. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092001.	1.5	7