Kimmo Ruosteenoja

List of Publications by Year
in descending order

38 papers	1,433 citations	393982 19 h-index	395343 33 g-index
40 all docs	40 docs citations	40 times ranked	2098 citing authors

#	Article	IF	Citations
1	Seasonal soil moisture and drought occurrence in Europe in CMIP5 projections for the 21st century. Climate Dynamics, 2018, 50, 1177-1192.	1.7	137
2	Climate change induces multiple risks to boreal forests and forestry in Finland: A literature review. Global Change Biology, 2020, 26, 4178-4196.	4.2	123
3	Changes in frost, snow and Baltic sea ice by the end of the twenty-first century based on climate model projections for Europe. Climatic Change, 2008, 86, 441-462.	1.7	107
4	Observed and Projected Future Shifts of Climatic Zones in Europe and Their Use to Visualize Climate Change Information. Weather, Climate, and Society, 2010, 2, 148-167.	0.5	104
5	Energy demand for the heating and cooling of residential houses in Finland in a changing climate. Energy and Buildings, 2015, 99, 104-116.	3.1	88
6	Projected changes in thermal seasons and the growing season in Finland. International Journal of Climatology, 2011, 31, 1473-1487.	1.5	80
7	GCM-based regional temperature and precipitation change estimates for Europe under four SRES scenarios applying a super-ensemble pattern-scaling method. Climatic Change, 2007, 81, 193-208.	1.7	72
8	Projections for the duration and degree days of the thermal growing season in Europe derived from <scp>CMIP5</scp> model output. International Journal of Climatology, 2016, 36, 3039-3055.	1.5	70
9	Coping with difficult weather and snow conditions: Reindeer herdersâ€™ views on climate change impacts and coping strategies. Climate Risk Management, 2016, 11, 15-36.	1.6	66
10	Projected changes in European extreme precipitation indices on the basis of global and regional climate model ensembles. International Journal of Climatology, 2014, 34, 1208-1222.	1.5	63
11	Present-day and future precipitation in the Baltic Sea region as simulated in a suite of regional climate models. Climatic Change, 2007, 81, 281-291.	1.7	60
12	Production of the Finnish Wind Atlas. Wind Energy, 2013, 16, 19-35.	1.9	57
13	Global sea level rise scenarios adapted to the Finnish coast. Journal of Marine Systems, 2014, 129, 35-46.	0.9	49
14	Seasonal Changes in Solar Radiation and Relative Humidity in Europe in Response to Global Warming*. Journal of Climate, 2013, 26, 2467-2481.	1.2	43
15	Carbon stock changes of forest land in Finland under different levels of wood use and climate change. Annals of Forest Science, 2014, 71, 255-265.	0.8	41
16	Thermal seasons in northern Europe in projected future climate. International Journal of Climatology, 2020, 40, 4444-4462.	1.5	39
17	Projected Changes in European and North Atlantic Seasonal Wind Climate Derived from CMIP5 Simulations. Journal of Climate, 2019, 32, 6467-6490.	1.2	26
18	Multimodel estimates of the changes in the Baltic Sea ice cover during the present century. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 66, 22617.	0.8	25

#	Article	IF	Citations
19	Comparing regional risks in producing turnip rape and oilseed rape â€“ Impacts of climate change and breeding. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2009, 59, 129-138.	0.3	22
20	Changes in the mean and extreme geostrophic wind speeds in Northern Europe until 2100 based on nine global climate models. International Journal of Climatology, 2012, 32, 1834-1846.	1.5	22
21	Rainfed crop production challenges under European high-latitude conditions. Regional Environmental Change, 2016, 16, 1521-1533.	1.4	18
22	Warming autumns at high latitudes of Europe: an opportunity to lose or gain in cereal production?. Regional Environmental Change, 2018, 18, 1453-1465.	1.4	18
23	Factors Affecting the Occurrence and Lifetime of 500 mb Height Analogues: A Study Based on a Large Amount of Data. Monthly Weather Review, 1988, 116, 368-376.	0.5	16
24	Overheating Risk and Energy Demand of Nordic Old and New Apartment Buildings during Average and Extreme Weather Conditions under a Changing Climate. Applied Sciences (Switzerland), 2021, 11, 3972.	1.3	15
25	Hourly test reference weather data in the changing climate of Finland for building energy simulations. Data in Brief, 2015, 4, 162-169.	0.5	14
26	Surface air relative humidities spuriously exceeding 100% in CMIP5 model output and their impact on future projections. Journal of Geophysical Research D: Atmospheres, 2017, 122, 9557-9568.	1.2	11
27	Future Changes in Incident Surface Solar Radiation and Contributing Factors in India in CMIP5 Climate Model Simulations. Journal of Applied Meteorology and Climatology, 2019, 58, 19-35.	0.6	10
28	Projections of Future Anthropogenic Climate Change. , 2008, , 133-219.		8
29	Impacts of town characteristics on the changing urban climate in Vantaa. Science of the Total Environment, 2020, 727, 138471.	3.9	8
30	Evolution of observed and modelled temperatures in Finland in 1901â€“2018 and potential dynamical reasons for the differences. International Journal of Climatology, 2021, 41, 3374-3390.	1.5	7
31	The impact of the height of the model top on the simulation of tropospheric stationary waves. Quarterly Journal of the Royal Meteorological Society, 1999, 125, 677-695.	1.0	4
32	Observed and Projected Future Shifts of Climatic Zones in Europe and Their Use to Visualize Climate Change Information. Weather, Climate, and Society, 2010, 2, 148-167.	0.5	4
33	Simulation of the Partial Reflection by the Critical Latitude with a Linear Model. Part I: Methods of Regulating the Reflectivity. Journals of the Atmospheric Sciences, 1989, 46, 3487-3504.	0.6	1
34	Simulation of the Partial Reflection by the Critical Latitude with a Linear Model. Part II: Stationary Wave Responses to Total Forcing. Journals of the Atmospheric Sciences, 1991, 48, 1529-1534.	0.6	1
35	Estimation of the low-latitude reflectivity of stationary waves in a GCM simulation. Meteorologische Zeitschrift, 2004, 13, 297-310.	0.5	0
36	Co-variability of North Atlantic Oscillation and Maximum Sea Ice Extent in the Baltic Sea in CMIP5 Climate Models. , 2015, , .		0

#	Article	IF	Citations
37	Reply to Comment by Genthon et al. on â€œSurface Air Relative Humidities Spuriously Exceeding 100% in CMIP5 Model Output and Their Impact on Future Projectionsâ€. Journal of Geophysical Research D: Atmospheres, 2018, 123, 8728-8734.	1.2	0
38	Steam balloon concept for lifting rockets to launch altitude. Aeronautical Journal, 2019, 123, 600-616.	1.1	0