Viatcheslav Kharin

List of Publications by Year
in descending order

40 papers	7,954 citations	136950 32 h-index	289244 40 g-index
41 all docs	41 docs citations	41 times ranked	8289 citing authors

#	Article	IF	Citations
1	WMO Global Annual to Decadal Climate Update: A Prediction for 2021â€“25. Bulletin of the American Meteorological Society, 2022, 103, E1117-E1129.	3.3	20
2	Quantifying the influence of short-term emission reductions on climate. Science Advances, 2021, 7, .	10.3	24
3	Climate model projections from the Scenario Model Intercomparison ProjectÂ(ScenarioMIP) of CMIP6. Earth System Dynamics, 2021, 12, 253-293.	7.1	236
4	The Climate Response to Emissions Reductions Due to COVIDâ€19: Initial Results From CovidMIP. Geophysical Research Letters, 2021, 48, e2020GL091883.	4.0	43
5	Significant impact of forcing uncertainty in a large ensemble of climate model simulations. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	46
6	North Atlantic climate far more predictable than models imply. Nature, 2020, 583, 796-800.	27.8	158
7	Historically-based run-time bias corrections substantially improve model projections of 100 years of future climate change. Communications Earth & Environment, 2020, 1, .	6.8	10
8	Extreme wet and dry conditions affected differently by greenhouse gases and aerosols. Npj Climate and Atmospheric Science, 2019, 2, .	6.8	21
9	Arctic Amplification Response to Individual Climate Drivers. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6698-6717.	3.3	39
10	Robust skill of decadal climate predictions. Npj Climate and Atmospheric Science, 2019, 2, .	6.8	136
11	The Canadian Earth System Model version 5 (CanESM5.0.3). Geoscientific Model Development, 2019, 12, 4823-4873.	3.6	581
12	Weak hydrological sensitivity to temperature change over land, independent of climate forcing. Npj Climate and Atmospheric Science, 2018, 1, .	6.8	33
13	Dynamical response of Mediterranean precipitation to greenhouse gases and aerosols. Atmospheric Chemistry and Physics, 2018, 18, 8439-8452.	4.9	40
14	Understanding Rapid Adjustments to Diverse Forcing Agents. Geophysical Research Letters, 2018, 45, 12023-12031.	4.0	113
15	Predicted Chance That Global Warming Will Temporarily Exceed 1.5ÂÂ°C. Geophysical Research Letters, 2018, 45, 11,895.	4.0	31
16	Changes in extremely hot days under stabilized 1.5 and 2.0â€‰Â°C global warming scenarios as simulated by the HAPPI multi-model ensemble. Earth System Dynamics, 2018, 9, 299-311.	7.1	29
17	Risks from Climate Extremes Change Differently from 1.5Â°C to 2.0Â°C Depending on Rarity. Earth's Future, 2018, 6, 704-715.	6.3	117
18	Sensible heat has significantly affected the global hydrological cycle over the historical period. Nature Communications, 2018, 9, 1922.	12.8	44

#	Article	IF	Citations
19	Extreme heat-related mortality avoided under Paris Agreement goals. Nature Climate Change, 2018, 8, 551-553.	18.8	33
20	Rapid Adjustments Cause Weak Surface Temperature Response to Increased Black Carbon Concentrations. Journal of Geophysical Research D: Atmospheres, 2017, 122, 11462-11481.	3.3	118
21	Remarkable separability of circulation response to Arctic sea ice loss and greenhouse gas forcing. Geophysical Research Letters, 2017, 44, 7955-7964.	4.0	63
22	PDRMIP: A Precipitation Driver and Response Model Intercomparison Projectâ€"Protocol and Preliminary Results. Bulletin of the American Meteorological Society, 2017, 98, 1185-1198.	3.3	116
23	Half a degree additional warming, prognosis and projected impacts (HAPPI): background and experimental design. Geoscientific Model Development, 2017, 10, 571-583.	3.6	203
24	Fast and slow precipitation responses to individual climate forcers: A PDRMIP multimodel study. Geophysical Research Letters, 2016, 43, 2782-2791.	4.0	179
25	Climate extremes indices in the CMIP5 multimodel ensemble: Part 2. Future climate projections. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2473-2493.	3.3	1,126
26	Changes in temperature and precipitation extremes in the CMIP5 ensemble. Climatic Change, 2013, 119, 345-357.	3.6	887
27	Decadal predictability and forecast skill. Climate Dynamics, 2013, 41, 1817-1833.	3.8	75
28	Real-time multi-model decadal climate predictions. Climate Dynamics, 2013, 41, 2875-2888.	3.8	111
29	Climate extremes indices in the CMIP5 multimodel ensemble: Part 1. Model evaluation in the present climate. Journal of Geophysical Research D: Atmospheres, 2013, 118, 1716-1733.	3.3	1,131
30	A verification framework for interannual-to-decadal predictions experiments. Climate Dynamics, 2013, 40, 245-272.	3.8	254
31	Enhanced seasonal forecast skill following stratospheric sudden warmings. Nature Geoscience, 2013, 6, 98-102.	12.9	288
32	Seasonal forecast skill of Arctic sea ice area in a dynamical forecast system. Geophysical Research Letters, 2013, 40, 529-534.	4.0	118
33	Statistical adjustment of decadal predictions in a changing climate. Geophysical Research Letters, 2012, 39, .	4.0	89
34	The impact of model fidelity on seasonal predictive skill. Geophysical Research Letters, 2012, 39, .	4.0	43
35	Carbon emission limits required to satisfy future representative concentration pathways of greenhouse gases. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	696
36	Skillful predictions of decadal trends in global mean surface temperature. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	39

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37	The first coupled historical forecasting project (CHFP1). Atmosphere - Ocean, 2010, 48, 263-283.	1.6	7
38	Increasing Trend of Synoptic Activity and Its Relationship with Extreme Rain Events over Central India. Journal of Climate, 2010, 23, 1004-1013.	3.2	94
39	Intercomparison of Near-Surface Temperature and Precipitation Extremes in AMIP-2 Simulations, Reanalyses, and Observations. Journal of Climate, 2005, 18, 5201-5223.	3.2	96
40	Estimating Extremes in Transient Climate Change Simulations. Journal of Climate, 2005, 18, 1156-1173.	3.2	459