Viatcheslav Kharin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4042741/publications.pdf

Version: 2024-02-01

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	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
2	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
3	Changes in temperature and precipitation extremes in the CMIP5 ensemble. Climatic Change, 2013, 119, 345-357.	3.6	887
4	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
5	The Canadian Earth System Model version 5 (CanESM5.0.3). Geoscientific Model Development, 2019, 12, 4823-4873.	3.6	581
6	Estimating Extremes in Transient Climate Change Simulations. Journal of Climate, 2005, 18, 1156-1173.	3.2	459
7	Enhanced seasonal forecast skill following stratospheric sudden warmings. Nature Geoscience, 2013, 6, 98-102.	12.9	288
8	A verification framework for interannual-to-decadal predictions experiments. Climate Dynamics, 2013, 40, 245-272.	3.8	254
9	Climate model projections from the Scenario Model Intercomparison ProjectÂ(ScenarioMIP) of CMIP6. Earth System Dynamics, 2021, 12, 253-293.	7.1	236
10	Half a degree additional warming, prognosis and projected impacts (HAPPI): background and experimental design. Geoscientific Model Development, 2017, 10, 571-583.	3.6	203
11	Fast and slow precipitation responses to individual climate forcers: A PDRMIP multimodel study. Geophysical Research Letters, 2016, 43, 2782-2791.	4.0	179
12	North Atlantic climate far more predictable than models imply. Nature, 2020, 583, 796-800.	27.8	158
13	Robust skill of decadal climate predictions. Npj Climate and Atmospheric Science, 2019, 2, .	6.8	136
14	Seasonal forecast skill of Arctic sea ice area in a dynamical forecast system. Geophysical Research Letters, 2013, 40, 529-534.	4.0	118
15	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
16	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
17	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
18	Understanding Rapid Adjustments to Diverse Forcing Agents. Geophysical Research Letters, 2018, 45, 12023-12031.	4.0	113

#	Article	IF	Citations
19	Real-time multi-model decadal climate predictions. Climate Dynamics, 2013, 41, 2875-2888.	3.8	111
20	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
21	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
22	Statistical adjustment of decadal predictions in a changing climate. Geophysical Research Letters, 2012, 39, .	4.0	89
23	Decadal predictability and forecast skill. Climate Dynamics, 2013, 41, 1817-1833.	3.8	75
24	Remarkable separability of circulation response to Arctic sea ice loss and greenhouse gas forcing. Geophysical Research Letters, 2017, 44, 7955-7964.	4.0	63
25	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
26	Sensible heat has significantly affected the global hydrological cycle over the historical period. Nature Communications, 2018, 9, 1922.	12.8	44
27	The impact of model fidelity on seasonal predictive skill. Geophysical Research Letters, 2012, 39, .	4.0	43
28	The Climate Response to Emissions Reductions Due to COVIDâ€19: Initial Results From CovidMIP. Geophysical Research Letters, 2021, 48, e2020GL091883.	4.0	43
29	Dynamical response of Mediterranean precipitation to greenhouse gases and aerosols. Atmospheric Chemistry and Physics, 2018, 18, 8439-8452.	4.9	40
30	Skillful predictions of decadal trends in global mean surface temperature. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	39
31	Arctic Amplification Response to Individual Climate Drivers. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6698-6717.	3.3	39
32	Weak hydrological sensitivity to temperature change over land, independent of climate forcing. Npj Climate and Atmospheric Science, 2018, 1, .	6.8	33
33	Extreme heat-related mortality avoided under Paris Agreement goals. Nature Climate Change, 2018, 8, 551-553.	18.8	33
34	Predicted Chance That Global Warming Will Temporarily Exceed 1.5ÂÂ°C. Geophysical Research Letters, 2018, 45, 11,895.	4.0	31
35	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
36	Quantifying the influence of short-term emission reductions on climate. Science Advances, 2021, 7, .	10.3	24

#	Article	IF	Citations
37	Extreme wet and dry conditions affected differently by greenhouse gases and aerosols. Npj Climate and Atmospheric Science, 2019, 2, .	6.8	21
38	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
39	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
40	The first coupled historical forecasting project (CHFP1). Atmosphere - Ocean, 2010, 48, 263-283.	1.6	7