Leon Hermanson

List of Publications by Year
in descending order

46 papers	2,967 citations	270111 25 h-index	252626 46 g-index
59 all docs	59 docs citations	59 times ranked	3463 citing authors

#	Article	IF	Citations
1	Skillful longâ€range prediction of European and North American winters. Geophysical Research Letters, 2014, 41, 2514-2519.	1.5	618
2	Skilful predictions of the winter North Atlantic Oscillation one year ahead. Nature Geoscience, 2016, 9, 809-814.	5.4	287
3	Do seasonalâ€toâ€decadal climate predictions underestimate the predictability of the real world?. Geophysical Research Letters, 2014, 41, 5620-5628.	1.5	260
4	North Atlantic climate far more predictable than models imply. Nature, 2020, 583, 796-800.	13.7	158
5	Anthropogenic aerosol forcing of Atlantic tropical storms. Nature Geoscience, 2013, 6, 534-539.	5.4	145
6	Role of volcanic and anthropogenic aerosols in the recent global surface warmingÂslowdown. Nature Climate Change, 2016, 6, 936-940.	8.1	143
7	Robust skill of decadal climate predictions. Npj Climate and Atmospheric Science, 2019, 2, .	2.6	136
8	Real-time multi-model decadal climate predictions. Climate Dynamics, 2013, 41, 2875-2888.	1.7	111
9	Seasonal forecasting of tropical storms using the Met Office GloSea5 seasonal forecast system. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 2206-2219.	1.0	94
10	Historical Simulations With HadGEM3â€GC3.1 for CMIP6. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001995.	1.3	84
11	Forecast cooling of the Atlantic subpolar gyre and associated impacts. Geophysical Research Letters, 2014, 41, 5167-5174.	1.5	78
12	A Multisystem View of Wintertime NAO Seasonal Predictions. Journal of Climate, 2017, 30, 1461-1475.	1.2	69
13	Robust but weak winter atmospheric circulation response to future Arctic sea ice loss. Nature Communications, 2022, 13, 727.	5.8	67
14	Skilful Seasonal Predictions of Summer European Rainfall. Geophysical Research Letters, 2018, 45, 3246-3254.	1.5	51
15	Tropical rainfall predictions from multiple seasonal forecast systems. International Journal of Climatology, 2019, 39, 974-988.	1.5	45
16	Improved Decadal Predictions of North Atlantic Subpolar Gyre SST in CMIP6. Geophysical Research Letters, 2021, 48, e2020GL091307.	1.5	43
17	On the Drivers and Predictability of Seasonal-to-Interannual Variations in Regional Sea Level. Journal of Climate, 2016, 29, 7565-7585.	1.2	40
18	Examining reliability of seasonal to decadal sea surface temperature forecasts: The role of ensemble dispersion. Geophysical Research Letters, 2013, 40, 5770-5775.	1.5	38

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19	Different types of drifts in two seasonal forecast systems and their dependence on ENSO. Climate Dynamics, 2018, 51, 1411-1426.	1.7	38
20	Predictability of European winter 2015/2016. Atmospheric Science Letters, 2017, 18, 38-44.	0.8	35
21	Mechanisms Linking Volcanic Aerosols to the Atlantic Meridional Overturning Circulation. Journal of Climate, 2012, 25, 3039-3051.	1.2	32
22	How Skillful are the Multiannual Forecasts of Atlantic Hurricane Activity?. Bulletin of the American Meteorological Society, 2018, 99, 403-413.	1.7	31
23	Predicted Chance That Global Warming Will Temporarily Exceed 1.5ÂÂ°C. Geophysical Research Letters, 2018, 45, 11,895.	1.5	31
24	Impacts of Atlantic multidecadal variability on the tropical Pacific: a multi-model study. Npj Climate and Atmospheric Science, 2021, 4, .	2.6	29
25	Seasonal forecast skill for extratropical cyclones and windstorms. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 92-104.	1.0	27
26	The Representation of Atmospheric Blocking and the Associated Low-Frequency Variability in Two Seasonal Prediction Systems. Journal of Climate, 2014, 27, 9082-9100.	1.2	26
27	Skilful interannual climate prediction from two large initialised model ensembles. Environmental Research Letters, 2020, 15, 094083.	2.2	25
28	Multiannual forecasts of Atlantic U.S. tropical cyclone wind damage potential. Geophysical Research Letters, 2015, 42, 2417-2425.	1.5	23
29	Case studies in interannual to decadal climate predictability. Climate Dynamics, 2010, 35, 1169-1189.	1.7	22
30	Predictions of Climate Several Years Ahead Using an Improved Decadal Prediction System. Journal of Climate, 2014, 27, 7550-7567.	1.2	21
31	Towards quantifying uncertainty in ocean heat content changes using synthetic profiles. Environmental Research Letters, 2019, 14, 084037.	2.2	20
32	WMO Global Annual to Decadal Climate Update: A Prediction for 2021â€“25. Bulletin of the American Meteorological Society, 2022, 103, E1117-E1129.	1.7	20
33	Skilful Realâ€Time Seasonal Forecasts of the Dry Northern European Summer 2018. Geophysical Research Letters, 2019, 46, 12368-12376.	1.5	16
34	Robust Multiyear Climate Impacts of Volcanic Eruptions in Decadal Prediction Systems. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031739.	1.2	15
35	Predictability of European Winters 2017/2018 and 2018/2019: Contrasting influences from the Tropics and stratosphere. Atmospheric Science Letters, 2021, 22, e1009.	0.8	14
36	Labrador Sea subsurface density as a precursor of multidecadal variability in the North Atlantic: a multi-model study. Earth System Dynamics, 2021, 12, 419-438.	2.7	13

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37	The impact of Labrador Sea temperature and salinity variability on density and the subpolar AMOC in a decadal prediction system. Geophysical Research Letters, 2016, 43, 12,217.	1.5	11
38	Decadal climate prediction (project GCEP). Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 925-937.	1.6	10
39	A novel transport assimilation method for the Atlantic meridional overturning circulation at 26Â°N. Quarterly Journal of the Royal Meteorological Society, 2014, 140, 2563-2572.	1.0	8
40	Limits on determining the skill of North Atlantic Ocean decadal predictions. Nature Communications, 2018, 9, 1694.	5.8	8
41	Climate predictability in the second year. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 913-916.	1.6	6
42	Observations of planetary heating since the 1980s from multiple independent datasets. Environmental Research Communications, 2020, 2, 101001.	0.9	5
43	A comparative method to evaluate and validate stochastic parametrizations. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 1095-1103.	1.0	4
44	Comments on â€œMultiyear Predictions of North Atlantic Hurricane Frequency: Promise and Limitationsâ€• Journal of Climate, 2014, 27, 487-489.	1.2	4
45	Towards Winter Seasonal Predictability of the North West European Shelf Seas. Frontiers in Marine Science, 2021, 8, .	1.2	2
46	From observations to forecasts â€“ Part 9: what is decadal forecasting?. Weather, 2011, 66, 160-164.	0.6	0