

Leon Hermanson

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

2,967
citations

236925

25
h-index

223800

46
g-index

59
all docs

59
docs citations

59
times ranked

3052
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Skillful long-range prediction of European and North American winters. <i>Geophysical Research Letters</i> , 2014, 41, 2514-2519. | 4.0 | 618 |
| 2 | Skilful predictions of the winter North Atlantic Oscillation one year ahead. <i>Nature Geoscience</i> , 2016, 9, 809-814. | 12.9 | 287 |
| 3 | Do seasonal-to-decadal climate predictions underestimate the predictability of the real world?. <i>Geophysical Research Letters</i> , 2014, 41, 5620-5628. | 4.0 | 260 |
| 4 | North Atlantic climate far more predictable than models imply. <i>Nature</i> , 2020, 583, 796-800. | 27.8 | 158 |
| 5 | Anthropogenic aerosol forcing of Atlantic tropical storms. <i>Nature Geoscience</i> , 2013, 6, 534-539. | 12.9 | 145 |
| 6 | Role of volcanic and anthropogenic aerosols in the recent global surface warming slowdown. <i>Nature Climate Change</i> , 2016, 6, 936-940. | 18.8 | 143 |
| 7 | Robust skill of decadal climate predictions. <i>Npj Climate and Atmospheric Science</i> , 2019, 2, . | 6.8 | 136 |
| 8 | Real-time multi-model decadal climate predictions. <i>Climate Dynamics</i> , 2013, 41, 2875-2888. | 3.8 | 111 |
| 9 | Seasonal forecasting of tropical storms using the Met Office GloSea5 seasonal forecast system. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 2206-2219. | 2.7 | 94 |
| 10 | Historical Simulations With HadGEM3-GC3.1 for CMIP6. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001995. | 3.8 | 84 |
| 11 | Forecast cooling of the Atlantic subpolar gyre and associated impacts. <i>Geophysical Research Letters</i> , 2014, 41, 5167-5174. | 4.0 | 78 |
| 12 | A Multisystem View of Wintertime NAO Seasonal Predictions. <i>Journal of Climate</i> , 2017, 30, 1461-1475. | 3.2 | 69 |
| 13 | Robust but weak winter atmospheric circulation response to future Arctic sea ice loss. <i>Nature Communications</i> , 2022, 13, 727. | 12.8 | 67 |
| 14 | Skilful Seasonal Predictions of Summer European Rainfall. <i>Geophysical Research Letters</i> , 2018, 45, 3246-3254. | 4.0 | 51 |
| 15 | Tropical rainfall predictions from multiple seasonal forecast systems. <i>International Journal of Climatology</i> , 2019, 39, 974-988. | 3.5 | 45 |
| 16 | Improved Decadal Predictions of North Atlantic Subpolar Gyre SST in CMIP6. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091307. | 4.0 | 43 |
| 17 | On the Drivers and Predictability of Seasonal-to-Interannual Variations in Regional Sea Level. <i>Journal of Climate</i> , 2016, 29, 7565-7585. | 3.2 | 40 |
| 18 | Examining reliability of seasonal to decadal sea surface temperature forecasts: The role of ensemble dispersion. <i>Geophysical Research Letters</i> , 2013, 40, 5770-5775. | 4.0 | 38 |

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|----|--|-----|-----------|
| 19 | Different types of drifts in two seasonal forecast systems and their dependence on ENSO. <i>Climate Dynamics</i> , 2018, 51, 1411-1426. | 3.8 | 38 |
| 20 | Predictability of European winter 2015/2016. <i>Atmospheric Science Letters</i> , 2017, 18, 38-44. | 1.9 | 35 |
| 21 | Mechanisms Linking Volcanic Aerosols to the Atlantic Meridional Overturning Circulation. <i>Journal of Climate</i> , 2012, 25, 3039-3051. | 3.2 | 32 |
| 22 | How Skillful are the Multiannual Forecasts of Atlantic Hurricane Activity?. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 403-413. | 3.3 | 31 |
| 23 | Predicted Chance That Global Warming Will Temporarily Exceed 1.5°C. <i>Geophysical Research Letters</i> , 2018, 45, 11,895. | 4.0 | 31 |
| 24 | Impacts of Atlantic multidecadal variability on the tropical Pacific: a multi-model study. <i>Npj Climate and Atmospheric Science</i> , 2021, 4, . | 6.8 | 29 |
| 25 | Seasonal forecast skill for extratropical cyclones and windstorms. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019, 145, 92-104. | 2.7 | 27 |
| 26 | The Representation of Atmospheric Blocking and the Associated Low-Frequency Variability in Two Seasonal Prediction Systems. <i>Journal of Climate</i> , 2014, 27, 9082-9100. | 3.2 | 26 |
| 27 | Skilful interannual climate prediction from two large initialised model ensembles. <i>Environmental Research Letters</i> , 2020, 15, 094083. | 5.2 | 25 |
| 28 | Multiannual forecasts of Atlantic U.S. tropical cyclone wind damage potential. <i>Geophysical Research Letters</i> , 2015, 42, 2417-2425. | 4.0 | 23 |
| 29 | Case studies in interannual to decadal climate predictability. <i>Climate Dynamics</i> , 2010, 35, 1169-1189. | 3.8 | 22 |
| 30 | Predictions of Climate Several Years Ahead Using an Improved Decadal Prediction System. <i>Journal of Climate</i> , 2014, 27, 7550-7567. | 3.2 | 21 |
| 31 | Towards quantifying uncertainty in ocean heat content changes using synthetic profiles. <i>Environmental Research Letters</i> , 2019, 14, 084037. | 5.2 | 20 |
| 32 | WMO Global Annual to Decadal Climate Update: A Prediction for 2021-25. <i>Bulletin of the American Meteorological Society</i> , 2022, 103, E1117-E1129. | 3.3 | 20 |
| 33 | Skilful Real-Time Seasonal Forecasts of the Dry Northern European Summer 2018. <i>Geophysical Research Letters</i> , 2019, 46, 12368-12376. | 4.0 | 16 |
| 34 | Robust Multiyear Climate Impacts of Volcanic Eruptions in Decadal Prediction Systems. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031739. | 3.3 | 15 |
| 35 | Predictability of European Winters 2017/2018 and 2018/2019: Contrasting influences from the Tropics and stratosphere. <i>Atmospheric Science Letters</i> , 2021, 22, e1009. | 1.9 | 14 |
| 36 | Labrador Sea subsurface density as a precursor of multidecadal variability in the North Atlantic: a multi-model study. <i>Earth System Dynamics</i> , 2021, 12, 419-438. | 7.1 | 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. <i>Geophysical Research Letters</i> , 2016, 43, 12,217. | 4.0 | 11 |
| 38 | Decadal climate prediction (project GCEP). <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 925-937. | 3.4 | 10 |
| 39 | A novel transport assimilation method for the Atlantic meridional overturning circulation at 26°N. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2014, 140, 2563-2572. | 2.7 | 8 |
| 40 | Limits on determining the skill of North Atlantic Ocean decadal predictions. <i>Nature Communications</i> , 2018, 9, 1694. | 12.8 | 8 |
| 41 | Climate predictability in the second year. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 913-916. | 3.4 | 6 |
| 42 | Observations of planetary heating since the 1980s from multiple independent datasets. <i>Environmental Research Communications</i> , 2020, 2, 101001. | 2.3 | 5 |
| 43 | A comparative method to evaluate and validate stochastic parametrizations. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2009, 135, 1095-1103. | 2.7 | 4 |
| 44 | Comments on "Multiyear Predictions of North Atlantic Hurricane Frequency: Promise and Limitations". <i>Journal of Climate</i> , 2014, 27, 487-489. | 3.2 | 4 |
| 45 | Towards Winter Seasonal Predictability of the North West European Shelf Seas. <i>Frontiers in Marine Science</i> , 2021, 8, . | 2.5 | 2 |
| 46 | From observations to forecasts " Part 9: what is decadal forecasting?. <i>Weather</i> , 2011, 66, 160-164. | 0.7 | 0 |