# Pat Hyder

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2413398/publications.pdf

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|---|---|---|---|
| 24<br>papers | 1,927<br>citations | 430874<br>18<br>h-index | 610901<br>24<br>g-index |
| 24<br>all docs | 24<br>docs citations | 24<br>times ranked | 2831<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The Met Office Global Coupled Model 3.0 and 3.1 (GC3.0 and GC3.1) Configurations. Journal of Advances in Modeling Earth Systems, 2018, 10, 357-380. | 3.8 | 327 |
| 2 | The Met Office Global Coupled model 2.0 (GC2) configuration. Geoscientific Model Development, 2015, 8, 1509-1524. | 3.6 | 234 |
| 3 | The Lowâ€Resolution Version of HadGEM3 GC3.1: Development and Evaluation for Global Climate. Journal of Advances in Modeling Earth Systems, 2018, 10, 2865-2888. | 3.8 | 142 |
| 4 | Large Contribution of Supercooled Liquid Clouds to the Solar Radiation Budget of the Southern Ocean. Journal of Climate, 2016, 29, 4213-4228. | 3.2 | 136 |
| 5 | GO5.0: the joint NERCâ€“Met Office NEMO global ocean model for use in coupled and forced applications. Geoscientific Model Development, 2014, 7, 1069-1092. | 3.6 | 127 |
| 6 | UK Global Ocean GO6 and GO7: a traceable hierarchy of model resolutions. Geoscientific Model Development, 2018, 11, 3187-3213. | 3.6 | 124 |
| 7 | Critical Southern Ocean climate model biases traced to atmospheric model cloud errors. Nature Communications, 2018, 9, 3625. | 12.8 | 109 |
| 8 | Prospects for improving the representation of coastal and shelf seas in global ocean models. Geoscientific Model Development, 2017, 10, 499-523. | 3.6 | 94 |
| 9 | Earth's energy imbalance since 1960 in observations and CMIP5 models. Geophysical Research Letters, 2015, 42, 1205-1213. | 4.0 | 82 |
| 10 | Will high-resolution global ocean models benefit coupled predictions on short-range to climate timescales?. Ocean Modelling, 2017, 120, 120-136. | 2.4 | 79 |
| 11 | Resolving and Parameterising the Ocean Mesoscale in Earth System Models. Current Climate Change Reports, 2020, 6, 137-152. | 8.6 | 62 |
| 12 | The impact of resolving the Rossby radius at mid-latitudes in the ocean: results from a high-resolution version of the Met Office GC2 coupled model. Geoscientific Model Development, 2016, 9, 3655-3670. | 3.6 | 61 |
| 13 | Representation of Southern Ocean Properties across Coupled Model Intercomparison Project Generations: CMIP3 to CMIP6. Journal of Climate, 2020, 33, 6555-6581. | 3.2 | 59 |
| 14 | Surface flux and ocean heat transport convergence contributions to seasonal and interannual variations of ocean heat content. Journal of Geophysical Research: Oceans, 2017, 122, 726-744. | 2.6 | 58 |
| 15 | Combining satellite observations and reanalysis energy transports to estimate global net surface energy fluxes 1985â€“2012. Journal of Geophysical Research D: Atmospheres, 2015, 120, 9374-9389. | 3.3 | 51 |
| 16 | Evaluation of satellite and reanalysisâ€based global net surface energy flux and uncertainty estimates. Journal of Geophysical Research D: Atmospheres, 2017, 122, 6250-6272. | 3.3 | 47 |
| 17 | Toward Consistent Diagnostics of the Coupled Atmosphere and Ocean Energy Budgets. Journal of Climate, 2017, 30, 9225-9246. | 3.2 | 38 |
| 18 | Idealized climate change simulations with a highâ€resolution physical model: HadGEM3â€GC2. Journal of Advances in Modeling Earth Systems, 2016, 8, 813-830. | 3.8 | 30 |

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|---|---|---|---|
| 19 | Variability in the global energy budget and transports 1985â€“2017. Climate Dynamics, 2020, 55, 3381-3396. | 3.8 | 23 |
| 20 | Ocean precursors to the extreme Atlantic 2017 hurricane season. Nature Communications, 2019, 10, 896. | 12.8 | 14 |
| 21 | Increasing tropical cyclone intensity and potential intensity in the subtropical Atlantic around Bermuda from an ocean heat content perspective 1955â€“2019. Environmental Research Letters, 2021, 16, 034052. | 5.2 | 11 |
| 22 | Assessment of shelf sea tides and tidal mixing fronts in a global ocean model. Ocean Modelling, 2019, 136, 66-84. | 2.4 | 10 |
| 23 | The Sensitivity of British Weather to Ocean Tides. Geophysical Research Letters, 2021, 48, e2020GL090732. | 4.0 | 6 |
| 24 | SST Dynamics at Different Scales: Evaluating the Oceanographic Model Resolution Skill to Represent SST Processes in the Southern Ocean. Journal of Geophysical Research: Oceans, 2019, 124, 2546-2570. | 2.6 | 3 |