

# Pat Hyder

## List of Publications by Year in descending order

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

Version: 2024-02-01

24  
papers

1,927  
citations

430874

18  
h-index

610901

24  
g-index

24  
all docs

24  
docs citations

24  
times ranked

2831  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Sensitivity of British Weather to Ocean Tides. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090732.	4.0	6
2	Increasing tropical cyclone intensity and potential intensity in the subtropical Atlantic around Bermuda from an ocean heat content perspective 1955â€“2019. <i>Environmental Research Letters</i> , 2021, 16, 034052.	5.2	11
3	Resolving and Parameterising the Ocean Mesoscale in Earth System Models. <i>Current Climate Change Reports</i> , 2020, 6, 137-152.	8.6	62
4	Variability in the global energy budget and transports 1985â€“2017. <i>Climate Dynamics</i> , 2020, 55, 3381-3396.	3.8	23
5	Representation of Southern Ocean Properties across Coupled Model Intercomparison Project Generations: CMIP3 to CMIP6. <i>Journal of Climate</i> , 2020, 33, 6555-6581.	3.2	59
6	SST Dynamics at Different Scales: Evaluating the Oceanographic Model Resolution Skill to Represent SST Processes in the Southern Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 2546-2570.	2.6	3
7	Assessment of shelf sea tides and tidal mixing fronts in a global ocean model. <i>Ocean Modelling</i> , 2019, 136, 66-84.	2.4	10
8	Ocean precursors to the extreme Atlantic 2017 hurricane season. <i>Nature Communications</i> , 2019, 10, 896.	12.8	14
9	The Met Office Global Coupled Model 3.0 and 3.1 (GC3.0 and GC3.1) Configurations. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 357-380.	3.8	327
10	Critical Southern Ocean climate model biases traced to atmospheric model cloud errors. <i>Nature Communications</i> , 2018, 9, 3625.	12.8	109
11	The Lowâ€“Resolution Version of HadGEM3 GC3.1: Development and Evaluation for Global Climate. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 2865-2888.	3.8	142
12	UK Global Ocean GO6 and GO7: a traceable hierarchy of model resolutions. <i>Geoscientific Model Development</i> , 2018, 11, 3187-3213.	3.6	124
13	Evaluation of satellite and reanalysisâ€“based global net surface energy flux and uncertainty estimates. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 6250-6272.	3.3	47
14	Surface flux and ocean heat transport convergence contributions to seasonal and interannual variations of ocean heat content. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 726-744.	2.6	58
15	Will high-resolution global ocean models benefit coupled predictions on short-range to climate timescales?. <i>Ocean Modelling</i> , 2017, 120, 120-136.	2.4	79
16	Toward Consistent Diagnostics of the Coupled Atmosphere and Ocean Energy Budgets. <i>Journal of Climate</i> , 2017, 30, 9225-9246.	3.2	38
17	Prospects for improving the representation of coastal and shelf seas in global ocean models. <i>Geoscientific Model Development</i> , 2017, 10, 499-523.	3.6	94
18	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. <i>Geoscientific Model Development</i> , 2016, 9, 3655-3670.	3.6	61

#	ARTICLE	IF	CITATIONS
19	Idealized climate change simulations with a high-resolution physical model: HadGEM3-GC2. Journal of Advances in Modeling Earth Systems, 2016, 8, 813-830.	3.8	30
20	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
21	Earth's energy imbalance since 1960 in observations and CMIP5 models. Geophysical Research Letters, 2015, 42, 1205-1213.	4.0	82
22	The Met Office Global Coupled model 2.0 (GC2) configuration. Geoscientific Model Development, 2015, 8, 1509-1524.	3.6	234
23	Combining satellite observations and reanalysis energy transports to estimate global net surface energy fluxes 1985-2012. Journal of Geophysical Research D: Atmospheres, 2015, 120, 9374-9389.	3.3	51
24	GO5.0: the joint NERC-Met Office NEMO global ocean model for use in coupled and forced applications. Geoscientific Model Development, 2014, 7, 1069-1092.	3.6	127