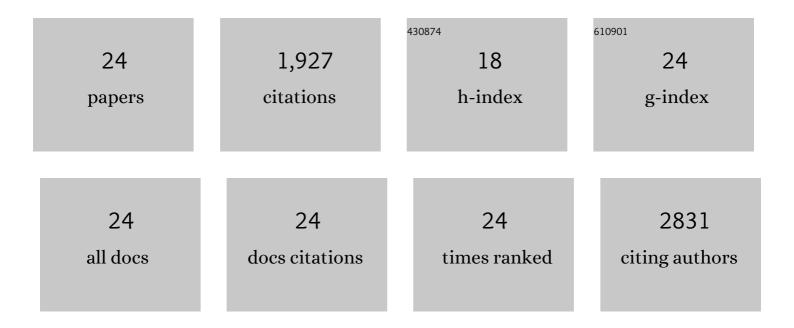
Pat Hyder

List of Publications by Year in descending order

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#	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 NERC–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 1985–2012. 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: HadGEM3 C2. Journal of Advances in Modeling Earth Systems, 2016, 8, 813-830.	3.8	30

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#	Article	IF	CITATIONS
19	Variability in the global energy budget and transports 1985–2017. 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 1955–2019. 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