

Helene T Hewitt

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1164500/helene-t-hewitt-publications-by-year.pdf>

Version: 2024-04-17

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39
papers

1,226
citations

19
h-index

34
g-index

47
ext. papers

1,666
ext. citations

6
avg, IF

4.01
L-index

#	Paper	IF	Citations
39	Air-Sea Turbulent Heat Flux Feedback Over Mesoscale Eddies. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL095407	4.9	0
38	The Atlantic Meridional Overturning Circulation in High-Resolution Models. <i>Journal of Geophysical Research: Oceans</i> , 2020 , 125, e2019JC015522	3.3	40
37	An update of IPCC climate reference regions for subcontinental analysis of climate model data: definition and aggregated datasets. <i>Earth System Science Data</i> , 2020 , 12, 2959-2970	10.5	58
36	Evaluating surface eddy properties in coupled climate simulations with Eddy-present and Eddy-rich ocean resolution. <i>Ocean Modelling</i> , 2020 , 147, 101567	3	9
35	Resolving and Parameterising the Ocean Mesoscale in Earth System Models. <i>Current Climate Change Reports</i> , 2020 , 6, 137-152	9	13
34	Sensitivity of the Atlantic Meridional Overturning Circulation to Model Resolution in CMIP6 HighResMIP Simulations and Implications for Future Changes. <i>Journal of Advances in Modeling Earth Systems</i> , 2020 , 12, e2019MS002014	7.1	24
33	Model-Observations Synergy in the Coastal Ocean. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	18
32	Description of the resolution hierarchy of the global coupled HadGEM3-GC3.1 model as used in CMIP6 HighResMIP experiments 2019 ,		2
31	Challenges and Prospects in Ocean Circulation Models. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	54
30	Re-emergence of North Atlantic subsurface ocean temperature anomalies in a seasonal forecast system. <i>Climate Dynamics</i> , 2019 , 53, 4799-4820	4.2	2
29	Description of the resolution hierarchy of the global coupled HadGEM3-GC3.1 model as used in CMIP6 HighResMIP experiments. <i>Geoscientific Model Development</i> , 2019 , 12, 4999-5028	6.3	68
28	Arctic summer sea-ice seasonal simulation with a coupled model: Evaluation of mean features and biases. <i>Journal of Earth System Science</i> , 2019 , 128, 1	1.8	1
27	Resolving Shelf Break Exchange Around the European Northwest Shelf. <i>Geophysical Research Letters</i> , 2018 , 45, 12,386-12,395	4.9	17
26	Critical Southern Ocean climate model biases traced to atmospheric model cloud errors. <i>Nature Communications</i> , 2018 , 9, 3625	17.4	66
25	UK Global Ocean GO6 and GO7: a traceable hierarchy of model resolutions 2018 ,		6
24	Satellite and In Situ Observations for Advancing Global Earth Surface Modelling: A Review. <i>Remote Sensing</i> , 2018 , 10, 2038	5	60
23	The Low-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	7.1	71

22	AMM15: a new high-resolution NEMO configuration for operational simulation of the European north-west shelf. <i>Geoscientific Model Development</i> , 2018 , 11, 681-696	6.3	53
21	UK Global Ocean GO6 and GO7: a traceable hierarchy of model resolutions. <i>Geoscientific Model Development</i> , 2018 , 11, 3187-3213	6.3	79
20	Feedback of mesoscale ocean currents on atmospheric winds in high-resolution coupled models and implications for the forcing of ocean-only models 2017 ,		2
19	AMM15: A new high resolution NEMO configuration for operational simulation of the European North West Shelf 2017 ,		2
18	The CO5 configuration of the 7 km Atlantic Margin Model: large-scale biases and sensitivity to forcing, physics options and vertical resolution. <i>Geoscientific Model Development</i> , 2017 , 10, 2947-2969	6.3	37
17	Will high-resolution global ocean models benefit coupled predictions on short-range to climate timescales?. <i>Ocean Modelling</i> , 2017 , 120, 120-136	3	53
16	Prospects for improving the representation of coastal and shelf seas in global ocean models. <i>Geoscientific Model Development</i> , 2017 , 10, 499-523	6.3	56
15	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	6.3	42
14	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 2016 ,		2
13	Impact of ocean resolution on coupled air-sea fluxes and large-scale climate. <i>Geophysical Research Letters</i> , 2016 , 43, 10,430-10,438	4.9	46
12	The location of the thermodynamic atmosphere-ocean interface in fully coupled models: a case study using JULES and CICE. <i>Geoscientific Model Development</i> , 2016 , 9, 1125-1141	6.3	14
11	Prospects for improving the representation of coastal and shelf seas in global ocean models 2016 ,		1
10	OMIP contribution to CMIP6: experimental and diagnostic protocol for the physical component of the Ocean Model Intercomparison Project. <i>Geoscientific Model Development</i> , 2016 , 9, 3231-3296	6.3	130
9	Assessing the forecast skill of Arctic sea ice extent in the GloSea4 seasonal prediction system. <i>Climate Dynamics</i> , 2015 , 44, 147-162	4.2	48
8	A seamless approach to understanding and predicting Arctic sea ice in Met Office modelling systems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015 , 373,	3	2
7	Development of the Global Sea Ice 6.0 CICE configuration for the Met Office Global Coupled model. <i>Geoscientific Model Development</i> , 2015 , 8, 2221-2230	6.3	60
6	A mechanism for lack of sea ice reversibility in the Southern Ocean. <i>Geophysical Research Letters</i> , 2014 , 41, 8404-8410	4.9	1
5	A case study of a modelled episode of low Arctic sea ice. <i>Climate Dynamics</i> , 2013 , 41, 1229-1244	4.2	10

4	Identifying uncertainties in Arctic climate change projections. <i>Climate Dynamics</i> , 2013 , 40, 2849-2865	4.2	52
3	An update of IPCC climate reference regions for subcontinental analysis of climate model data: Definition and aggregated datasets		6
2	Experimental and diagnostic protocol for the physical component of the CMIP6 Ocean Model Intercomparison Project (OMIP)		4
1	The CO5 configuration of the 7 km Atlantic Margin Model: Large scale biases and sensitivity to forcing, physics options and vertical resolution		2