

# Mathew E Maltrud

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3227975/publications.pdf>

Version: 2024-02-01

15  
papers

1,344  
citations

1040056

9  
h-index

996975

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22  
all docs

22  
docs citations

22  
times ranked

1988  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prescreening-Based Subset Selection for Improving Predictions of Earth System Models With Application to Regional Prediction of Red Tide. <i>Frontiers in Earth Science</i> , 2022, 10, 1-19.	1.8	3
2	A numerical framework for simulating the atmospheric variability of supermicron marine biogenic ice nucleating particles. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 847-859.	4.9	9
3	Earth system models for regional environmental management of red tide: Prospects and limitations of current generation models and next generation development. <i>Environmental Earth Sciences</i> , 2022, 81, .	2.7	3
4	Diurnal Rainfall Response to the Physiological and Radiative Effects of CO <sub>2</sub> in Tropical Forests in the Energy Exascale Earth System Model v1. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	1
5	On the Generation of Weddell Sea Polynyas in a High-Resolution Earth System Model. <i>Journal of Climate</i> , 2021, 34, 2491-2510.	3.2	7
6	The Influence of Ocean Topography on the Upwelling of Carbon in the Southern Ocean. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095088.	4.0	8
7	Investigating controls on sea ice algal production using E3SMv1.1-BGC. <i>Annals of Glaciology</i> , 2020, 61, 51-72.	1.4	16
8	An Evaluation of the Ocean and Sea Ice Climate of E3SM Using MPAS and Interannual CORE <sub>2</sub> Forcing. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 1438-1458.	3.8	73
9	The DOE E3SM Coupled Model Version 1: Description and Results at High Resolution. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 4095-4146.	3.8	112
10	The DOE E3SM Coupled Model Version 1: Overview and Evaluation at Standard Resolution. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 2089-2129.	3.8	404
11	Diagnosing Isopycnal Diffusivity in an Eddying, Idealized Midlatitude Ocean Basin via Lagrangian, in Situ, Global, High-Performance Particle Tracking (LIGHT). <i>Journal of Physical Oceanography</i> , 2015, 45, 2114-2133.	1.7	28
12	Evaluation of the arbitrary Lagrangian-Eulerian vertical coordinate method in the MPAS-Ocean model. <i>Ocean Modelling</i> , 2015, 86, 93-113.	2.4	75
13	A multi-resolution approach to global ocean modeling. <i>Ocean Modelling</i> , 2013, 69, 211-232.	2.4	239
14	Regional sea level trends due to a Pacific trade wind intensification. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	118
15	An eddy resolving global 1/10° ocean simulation. <i>Ocean Modelling</i> , 2005, 8, 31-54.	2.4	233