

Chris Hill

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8817066/publications.pdf>

Version: 2024-02-01

14
papers

2,294
citations

840776

11
h-index

1125743

13
g-index

17
all docs

17
docs citations

17
times ranked

2382
citing authors

#	ARTICLE	IF	CITATIONS
1	A finite-volume, incompressible Navier Stokes model for studies of the ocean on parallel computers. Journal of Geophysical Research, 1997, 102, 5753-5766.	3.3	1,968
2	Use of Neural Networks for Stable, Accurate and Physically Consistent Parameterization of Subgrid Atmospheric Processes With Good Performance at Reduced Precision. Geophysical Research Letters, 2021, 48, e2020GL091363.	4.0	50
3	Elucidating ecological complexity: Unsupervised learning determines global marine eco-provinces. Science Advances, 2020, 6, eaay4740.	10.3	45
4	The ECCOâ€ˆDarwin Dataâ€ˆAssimilative Global Ocean Biogeochemistry Model: Estimates of Seasonal to Multidecadal Surface Ocean CO_2 and Airâ€ˆSea CO_2 Flux. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001888.	3.8	43
5	Oceanic eddy detection and lifetime forecast using machine learning methods. Geophysical Research Letters, 2016, 43, 12,234.	4.0	39
6	Highâ€ˆFrequency Submesoscale Motions Enhance the Upward Vertical Heat Transport in the Global Ocean. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016544.	2.6	35
7	Oceananigans.jl: Fast and friendly geophysical fluid dynamics on GPUs. Journal of Open Source Software, 2020, 5, 2018.	4.6	27
8	Using Greenâ€™s Functions to initialize and adjust a global, eddying ocean biogeochemistry general circulation model. Ocean Modelling, 2015, 95, 1-14.	2.4	22
9	Biogeochemical versus ecological consequences of modeled ocean physics. Biogeosciences, 2017, 14, 2877-2889.	3.3	22
10	Attribution of Spaceâ€ˆTime Variability in Globalâ€ˆOcean Dissolved Inorganic Carbon. Global Biogeochemical Cycles, 2022, 36, .	4.9	14
11	Uncertainty Quantification of Ocean Parameterizations: Application to the Kâ€™Profileâ€™Parameterization for Penetrative Convection. Journal of Advances in Modeling Earth Systems, 2020, 12, e2020MS002108.	3.8	13
12	Threeâ€ˆtoâ€ˆSixâ€ˆDay Airâ€ˆSea Oscillation in Models and Observations. Geophysical Research Letters, 2020, 47, e2019GL085837.	4.0	10
13	Consequences of different air-sea feedbacks on ocean using MITgcm and MERRA-2 forcing: Implications for coupled data assimilation systems. Ocean Modelling, 2018, 132, 91-111.	2.4	5
14	Sustaining Research Software via Research Software Engineers and Professional Associations. , 2021, , .		1