Chris Hill

List of Publications by Year
in descending order

14	2,294	840585 11	1125617 13
papers	citations	h-index	g-index

17	17	17	2382
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Attribution of Spaceâ€Time Variability in Globalâ€Ocean Dissolved Inorganic Carbon. Global Biogeochemical Cycles, 2022, 36, .	1.9	14
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.	1.5	50
3	Sustaining Research Software via Research Software Engineers and Professional Associations. , 2021, , .		1
4	The ECCOâ€Darwin Dataâ€Assimilative Global Ocean Biogeochemistry Model: Estimates of Seasonal to Multidecadal Surface Ocean pCO₂ and Airâ€Sea CO₂ Flux. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001888.	1.3	43
5	Highâ€Frequency Submesoscale Motions Enhance the Upward Vertical Heat Transport in the Global Ocean. Journal of Geophysical Research: Oceans, 2020, 125, e2020JC016544.	1.0	35
6	Uncertainty Quantification of Ocean Parameterizations: Application to the Kâ€Profileâ€Parameterization for Penetrative Convection. Journal of Advances in Modeling Earth Systems, 2020, 12, e2020MS002108.	1.3	13
7	Elucidating ecological complexity: Unsupervised learning determines global marine eco-provinces. Science Advances, 2020, 6, eaay4740.	4.7	45
8	Threeâ€toâ€Sixâ€Day Airâ€“Sea Oscillation in Models and Observations. Geophysical Research Letters, 2020, 47, e2019GL085837.	1.5	10
9	Oceananigans.jl: Fast and friendly geophysical fluid dynamics on GPUs. Journal of Open Source Software, 2020, 5, 2018.	2.0	27
10	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.	1.0	5
11	Biogeochemical versus ecological consequences of modeled ocean physics. Biogeosciences, 2017, 14, 2877-2889.	1.3	22
12	Oceanic eddy detection and lifetime forecast using machine learning methods. Geophysical Research Letters, 2016, 43, 12,234.	1.5	39
13	Using Greenâ€™s Functions to initialize and adjust a global, eddying ocean biogeochemistry general circulation model. Ocean Modelling, 2015, 95, 1-14.	1.0	22
14	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