Paul Halloran

List of Publications by Year
in descending order

40 papers	8,279 citations	236612 25 h-index	253896 43 g-index
61 all docs	61 docs citations	61 times ranked	12232 citing authors

#	Article	IF	Citations
1	The importance of 1.5Â°C warming for the Great Barrier Reef. Global Change Biology, 2022, 28, 1332-1341.	4.2	16
2	Third revision of the global surface seawater dimethyl sulfide climatology (DMS-Rev3). Earth System Science Data, 2022, 14, 2963-2987.	3.7	28
3	S2P3-R v2.0: computationally efficient modelling of shelf seas on regional to global scales. Geoscientific Model Development, 2021, 14, 6177-6195.	1.3	1
4	A new method for isolating and analysing coccospheres within sediment. Scientific Reports, 2020, 10, 20727.	1.6	1
5	Natural drivers of multidecadal Arctic sea ice variability over the last millennium. Scientific Reports, 2020, 10, 688.	1.6	12
6	Reconciling Observation and Model Trends in North Atlantic Surface CO₂. Global Biogeochemical Cycles, 2019, 33, 1204-1222.	1.9	14
7	Isolating and Reconstructing Key Components of North Atlantic Ocean Variability From a Sclerochronological Spatial Network. Paleoceanography and Paleoclimatology, 2018, 33, 1086-1098.	1.3	12
8	Reconstructing Past Seasonal to Multicentennialâ€Scale Variability in the NE Atlantic Ocean Using the Longâ€Lived Marine Bivalve Mollusk <scp>Glycymeris glycymeris</scp>. Paleoceanography, 2017, 32, 1153-1173.	3.0	20
9	Inconsistent strategies to spin up models in CMIP5: implications for ocean biogeochemical model performance assessment. Geoscientific Model Development, 2016, 9, 1827-1851.	1.3	68
10	Annually resolved North Atlantic marine climate over the last millennium. Nature Communications, 2016, 7, 13502.	5.8	79
11	On which timescales do gas transfer velocities control North Atlantic CO₂ flux variability?. Global Biogeochemical Cycles, 2016, 30, 787-802.	1.9	13
12	The mechanisms of North Atlantic CO₂ uptake in a large Earth System Model ensemble. Biogeosciences, 2015, 12, 4497-4508.	1.3	16
13	Coral bleaching under unconventional scenarios of climate warming and ocean acidification. Nature Climate Change, 2015, 5, 777-781.	8.1	53
14	iMarNet: an ocean biogeochemistry model intercomparison project within a common physical ocean modelling framework. Biogeosciences, 2014, 11, 7291-7304.	1.3	65
15	What spatial scales are believable for climate model projections of sea surface temperature?. Climate Dynamics, 2014, 43, 1483-1496.	1.7	15
16	Operationalizing the Resilience of Coral Reefs in an Era of Climate Change. Conservation Letters, 2014, 7, 176-187.	2.8	96
17	Numerical simulations of oceanic oxygen cycling in the FAMOUS Earth-System model: FAMOUS-ES, version 1.0. Geoscientific Model Development, 2014, 7, 1419-1431.	1.3	10
18	Caribbean coral growth influenced by anthropogenic aerosol emissions. Nature Geoscience, 2013, 6, 362-366.	5.4	20

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19	Mechanisms of aerosolâ€forced AMOC variability in a state of the art climate model. Journal of Geophysical Research: Oceans, 2013, 118, 2087-2096.	1.0	44
20	Avoiding Coral Reef Functional Collapse Requires Local and Global Action. Current Biology, 2013, 23, 912-918.	1.8	252
21	Biotic and Human Vulnerability to Projected Changes in Ocean Biogeochemistry over the 21st Century. PLoS Biology, 2013, 11, e1001682.	2.6	194
22	Carbon dioxide and climate impulse response functions for the computation of greenhouse gas metrics: a multi-model analysis. Atmospheric Chemistry and Physics, 2013, 13, 2793-2825.	1.9	517
23	Future Arctic Ocean primary productivity from CMIP5 simulations: Uncertain outcome, but consistent mechanisms. Global Biogeochemical Cycles, 2013, 27, 605-619.	1.9	185
24	Detecting an external influence on recent changes in oceanic oxygen using an optimal fingerprinting method. Biogeosciences, 2013, 10, 1799-1813.	1.3	36
25	Multiple stressors of ocean ecosystems in the 21st century: projections with CMIP5 models. Biogeosciences, 2013, 10, 6225-6245.	1.3	1,191
26	Reversibility in an Earth System model in response to CO ₂ concentration changes. Environmental Research Letters, 2012, 7, 024013.	2.2	102
27	Aerosols implicated as a prime driver of twentieth-century North Atlantic climate variability. Nature, 2012, 484, 228-232.	13.7	857
28	Does atmospheric CO₂ seasonality play an important role in governing the air-sea flux of CO₂?. Biogeosciences, 2012, 9, 2311-2323.	1.3	6
29	The HadGEM2-ES implementation of CMIP5 centennial simulations. Geoscientific Model Development, 2011, 4, 543-570.	1.3	803
30	General overview: European Integrated project on Aerosol Cloud Climate and Air Quality interactions (EUCAARI) â€“ integrating aerosol research from nano to global scales. Atmospheric Chemistry and Physics, 2011, 11, 13061-13143.	1.9	278
31	Analyzing abrupt and nonlinear climate changes and their impacts. Wiley Interdisciplinary Reviews: Climate Change, 2011, 2, 663-686.	3.6	36
32	The HadGEM2 family of Met Office Unified Model climate configurations. Geoscientific Model Development, 2011, 4, 723-757.	1.3	765
33	Development and evaluation of an Earth-System model â€“ HadGEM2. Geoscientific Model Development, 2011, 4, 1051-1075.	1.3	1,141
34	Low sensitivity of cloud condensation nuclei to changes in the sea-air flux of dimethyl-sulphide. Atmospheric Chemistry and Physics, 2010, 10, 7545-7559.	1.9	105
35	13Câ€“18O isotope signatures and â€˜clumped isotopeâ€™ thermometry in foraminifera and coccoliths. Geochimica Et Cosmochimica Acta, 2010, 74, 5697-5717.	1.6	192
36	Can we trust empirical marine DMS parameterisations within projections of future climate?. Biogeosciences, 2010, 7, 1645-1656.	1.3	52

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37	Isolating coccoliths from sediment for geochemical analysis. Geochemistry, Geophysics, Geosystems, 2009, 10, .	1.0	9
38	Phytoplankton Calcification in a High-CO ₂ World. Science, 2008, 320, 336-340.	6.0	695
39	Evidence for a multi-species coccolith volume change over the past two centuries: understanding a potential ocean acidification response. Biogeosciences, 2008, 5, 1651-1655.	1.3	22
40	Cool La Nina During the Warmth of the Pliocene?. Science, 2005, 307, 1948-1952.	6.0	72