

# Paul Halloran

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6810567/publications.pdf>

Version: 2024-02-01

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	Multiple stressors of ocean ecosystems in the 21st century: projections with CMIP5 models. <i>Biogeosciences</i> , 2013, 10, 6225-6245.	1.3	1,191
2	Development and evaluation of an Earth-System model â€“ HadGEM2. <i>Geoscientific Model Development</i> , 2011, 4, 1051-1075.	1.3	1,141
3	Aerosols implicated as a prime driver of twentieth-century North Atlantic climate variability. <i>Nature</i> , 2012, 484, 228-232.	13.7	857
4	The HadGEM2-ES implementation of CMIP5 centennial simulations. <i>Geoscientific Model Development</i> , 2011, 4, 543-570.	1.3	803
5	The HadGEM2 family of Met Office Unified Model climate configurations. <i>Geoscientific Model Development</i> , 2011, 4, 723-757.	1.3	765
6	Phytoplankton Calcification in a High-CO <sub>2</sub> World. <i>Science</i> , 2008, 320, 336-340.	6.0	695
7	Carbon dioxide and climate impulse response functions for the computation of greenhouse gas metrics: a multi-model analysis. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 2793-2825.	1.9	517
8	General overview: European Integrated project on Aerosol Cloud Climate and Air Quality interactions (EUCAARI) â€“ integrating aerosol research from nano to global scales. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 13061-13143.	1.9	278
9	Avoiding Coral Reef Functional Collapse Requires Local and Global Action. <i>Current Biology</i> , 2013, 23, 912-918.	1.8	252
10	Biotic and Human Vulnerability to Projected Changes in Ocean Biogeochemistry over the 21st Century. <i>PLoS Biology</i> , 2013, 11, e1001682.	2.6	194
11	<sup>13</sup> Câ€“ <sup>18</sup> O isotope signatures and â€“clumped isotopeâ€™ thermometry in foraminifera and coccoliths. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5697-5717.	1.6	192
12	Future Arctic Ocean primary productivity from CMIP5 simulations: Uncertain outcome, but consistent mechanisms. <i>Global Biogeochemical Cycles</i> , 2013, 27, 605-619.	1.9	185
13	Low sensitivity of cloud condensation nuclei to changes in the sea-air flux of dimethyl-sulphide. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 7545-7559.	1.9	105
14	Reversibility in an Earth System model in response to CO <sub>2</sub> concentration changes. <i>Environmental Research Letters</i> , 2012, 7, 024013.	2.2	102
15	Operationalizing the Resilience of Coral Reefs in an Era of Climate Change. <i>Conservation Letters</i> , 2014, 7, 176-187.	2.8	96
16	Annually resolved North Atlantic marine climate over the last millennium. <i>Nature Communications</i> , 2016, 7, 13502.	5.8	79
17	Cool La Nina During the Warmth of the Pliocene?. <i>Science</i> , 2005, 307, 1948-1952.	6.0	72
18	Inconsistent strategies to spin up models in CMIP5: implications for ocean biogeochemical model performance assessment. <i>Geoscientific Model Development</i> , 2016, 9, 1827-1851.	1.3	68

#	ARTICLE	IF	CITATIONS
19	iMarNet: an ocean biogeochemistry model intercomparison project within a common physical ocean modelling framework. <i>Biogeosciences</i> , 2014, 11, 7291-7304.	1.3	65
20	Coral bleaching under unconventional scenarios of climate warming and ocean acidification. <i>Nature Climate Change</i> , 2015, 5, 777-781.	8.1	53
21	Can we trust empirical marine DMS parameterisations within projections of future climate?. <i>Biogeosciences</i> , 2010, 7, 1645-1656.	1.3	52
22	Mechanisms of aerosol-forced AMOC variability in a state of the art climate model. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 2087-2096.	1.0	44
23	Analyzing abrupt and nonlinear climate changes and their impacts. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2011, 2, 663-686.	3.6	36
24	Detecting an external influence on recent changes in oceanic oxygen using an optimal fingerprinting method. <i>Biogeosciences</i> , 2013, 10, 1799-1813.	1.3	36
25	Third revision of the global surface seawater dimethyl sulfide climatology (DMS-Rev3). <i>Earth System Science Data</i> , 2022, 14, 2963-2987.	3.7	28
26	Evidence for a multi-species coccolith volume change over the past two centuries: understanding a potential ocean acidification response. <i>Biogeosciences</i> , 2008, 5, 1651-1655.	1.3	22
27	Caribbean coral growth influenced by anthropogenic aerosol emissions. <i>Nature Geoscience</i> , 2013, 6, 362-366.	5.4	20
28	Reconstructing Past Seasonal to Multicentennial-Scale Variability in the NE Atlantic Ocean Using the Long-Lived Marine Bivalve Mollusk <i>Glycymeris glycymeris</i> . <i>Paleoceanography</i> , 2017, 32, 1153-1173.	3.0	20
29	The mechanisms of North Atlantic CO <sub>2</sub> uptake in a large Earth System Model ensemble. <i>Biogeosciences</i> , 2015, 12, 4497-4508.	1.3	16
30	The importance of 1.5°C warming for the Great Barrier Reef. <i>Global Change Biology</i> , 2022, 28, 1332-1341.	4.2	16
31	What spatial scales are believable for climate model projections of sea surface temperature?. <i>Climate Dynamics</i> , 2014, 43, 1483-1496.	1.7	15
32	Reconciling Observation and Model Trends in North Atlantic Surface CO <sub>2</sub> . <i>Global Biogeochemical Cycles</i> , 2019, 33, 1204-1222.	1.9	14
33	On which timescales do gas transfer velocities control North Atlantic CO <sub>2</sub> flux variability?. <i>Global Biogeochemical Cycles</i> , 2016, 30, 787-802.	1.9	13
34	Isolating and Reconstructing Key Components of North Atlantic Ocean Variability From a Sclerochronological Spatial Network. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 1086-1098.	1.3	12
35	Natural drivers of multidecadal Arctic sea ice variability over the last millennium. <i>Scientific Reports</i> , 2020, 10, 688.	1.6	12
36	Numerical simulations of oceanic oxygen cycling in the FAMOUS Earth-System model: FAMOUS-ES, version 1.0. <i>Geoscientific Model Development</i> , 2014, 7, 1419-1431.	1.3	10

#	ARTICLE	IF	CITATIONS
37	Isolating coccoliths from sediment for geochemical analysis. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	1.0	9
38	Does atmospheric CO <sub>2</sub> seasonality play an important role in governing the air-sea flux of CO <sub>2</sub> ? <i>Biogeosciences</i> , 2012, 9, 2311-2323.	1.3	6
39	A new method for isolating and analysing coccospheres within sediment. <i>Scientific Reports</i> , 2020, 10, 20727.	1.6	1
40	S2P3-R v2.0: computationally efficient modelling of shelf seas on regional to global scales. <i>Geoscientific Model Development</i> , 2021, 14, 6177-6195.	1.3	1