

# Michael Eby

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11317825/publications.pdf>

Version: 2024-02-01

49  
papers

4,783  
citations

159585

30  
h-index

206112

48  
g-index

50  
all docs

50  
docs citations

50  
times ranked

5787  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atmospheric Lifetime of Fossil Fuel Carbon Dioxide. Annual Review of Earth and Planetary Sciences, 2009, 37, 117-134.	11.0	627
2	The UVic earth system climate model: Model description, climatology, and applications to past, present and future climates. Atmosphere - Ocean, 2001, 39, 361-428.	1.6	604
3	Carbon Concentration and Carbon Climate Feedbacks in CMIP5 Earth System Models. Journal of Climate, 2013, 26, 5289-5314.	3.2	576
4	Consequences of twenty-first-century policy for multi-millennial climate and sea-level change. Nature Climate Change, 2016, 6, 360-369.	18.8	442
5	Setting cumulative emissions targets to reduce the risk of dangerous climate change. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16129-16134.	7.1	249
6	Simulated influence of carbon dioxide, orbital forcing and ice sheets on the climate of the Last Glacial Maximum. Nature, 1998, 394, 847-853.	27.8	228
7	Long-Term Climate Change Commitment and Reversibility: An EMIC Intercomparison. Journal of Climate, 2013, 26, 5782-5809.	3.2	208
8	Simulating the global distribution of nitrogen isotopes in the ocean. Global Biogeochemical Cycles, 2010, 24, .	4.9	186
9	The Role of Ice-Ocean Interactions in the Variability of the North Atlantic Thermohaline Circulation. Journal of Climate, 2001, 14, 656-675.	3.2	140
10	The Role of Poleward-Intensifying Winds on Southern Ocean Warming. Journal of Climate, 2007, 20, 5391-5400.	3.2	124
11	Radiative forcing of climate by historical land cover change. Geophysical Research Letters, 2003, 30, .	4.0	99
12	Long term fate of anthropogenic carbon. Geophysical Research Letters, 2007, 34, .	4.0	97
13	The climate response to five trillion tonnes of carbon. Nature Climate Change, 2016, 6, 851-855.	18.8	77
14	The net carbon drawdown of small scale afforestation from satellite observations. Global and Planetary Change, 2009, 69, 195-204.	3.5	56
15	The Zero Emissions Commitment Model Intercomparison Project (ZECMIP) contribution to C4MIP: quantifying committed climate changes following zero carbon emissions. Geoscientific Model Development, 2019, 12, 4375-4385.	3.6	56
16	Long term climate implications of 2050 emission reduction targets. Geophysical Research Letters, 2007, 34, .	4.0	55
17	What determines the magnitude of carbon cycle-climate feedbacks?. Global Biogeochemical Cycles, 2007, 21, n/a-n/a.	4.9	54
18	Estimating Carbon Budgets for Ambitious Climate Targets. Current Climate Change Reports, 2017, 3, 69-77.	8.6	52

#	ARTICLE	IF	CITATIONS
19	Nonlinearity of Carbon Cycle Feedbacks. <i>Journal of Climate</i> , 2011, 24, 4255-4275.	3.2	49
20	Response of the Atlantic meridional overturning circulation to increasing atmospheric CO <sub>2</sub> : Sensitivity to mean climate state. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	47
21	Response of the global carbon cycle to human-induced changes in Southern Hemisphere winds. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	47
22	Deforestation Induced Climate Change: Effects of Spatial Scale. <i>PLoS ONE</i> , 2016, 11, e0153357.	2.5	47
23	Carbon cycle feedbacks of changes in the Atlantic meridional overturning circulation under future atmospheric CO <sub>2</sub> . <i>Global Biogeochemical Cycles</i> , 2008, 22, .	4.9	43
24	Comment on "Saturation of the Southern Ocean CO <sub>2</sub> Sink Due to Recent Climate Change". <i>Science</i> , 2008, 319, 570-570.	12.6	38
25	Modelling pre-historic transoceanic crossings into the Americas. <i>Quaternary Science Reviews</i> , 2006, 25, 1323-1338.	3.0	37
26	Parasites, Paleoclimate, and the Peopling of the Americas. <i>Current Anthropology</i> , 2006, 47, 193-200.	1.6	36
27	Sensitivity of the inorganic ocean carbon cycle to future climate warming in the UVic coupled model. <i>Atmosphere - Ocean</i> , 2004, 42, 23-42.	1.6	34
28	Relative sensitivity of the Atlantic meridional overturning circulation to river discharge into Hudson Bay and the Arctic Ocean. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	34
29	The importance of the terrestrial weathering feedback for multimillennial coral reef habitat recovery. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	4.9	34
30	Primary productivity control of simulated carbon cycle-climate feedbacks. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	33
31	CO <sub>2</sub> threshold for millennial-scale oscillations in the climate system: implications for global warming scenarios. <i>Climate Dynamics</i> , 2008, 30, 161-174.	3.8	31
32	Variation of Labrador Sea Water formation over the Last Glacial cycle in a climate model of intermediate complexity. <i>Quaternary Science Reviews</i> , 2004, 23, 449-465.	3.0	30
33	Sensitivity of the thermohaline circulation to Arctic Ocean runoff. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	29
34	Response of a climate model to tidal mixing parameterization under present day and last glacial maximum conditions. <i>Ocean Modelling</i> , 2007, 19, 125-137.	2.4	29
35	The Sensitivity of the Atlantic Meridional Overturning Circulation to Freshwater Forcing at Eddy-Permitting Resolutions. <i>Journal of Climate</i> , 2008, 21, 2697-2710.	3.2	29
36	Distinguishing the Influence of Heat, Freshwater, and Momentum Fluxes on Ocean Circulation and Climate. <i>Journal of Climate</i> , 2002, 15, 3686-3697.	3.2	26

#	ARTICLE	IF	CITATIONS
37	The Southern Ocean Overturning: Parameterized versus Permitted Eddies. <i>Journal of Physical Oceanography</i> , 2009, 39, 1634-1651.	1.7	26
38	The Sensitivity of the Proportionality between Temperature Change and Cumulative CO <sub>2</sub> Emissions to Ocean Mixing. <i>Journal of Climate</i> , 2017, 30, 2921-2935.	3.2	25
39	Evaluation of the University of Victoria Earth System Climate Model version 2.10 (UVic ESCM 2.10). <i>Geoscientific Model Development</i> , 2020, 13, 4183-4204.	3.6	23
40	Evaluation of ocean and climate models using present-day observations and forcing. <i>Atmosphere - Ocean</i> , 2000, 38, 271-301.	1.6	21
41	Sea-level commitment as a gauge for climate policy. <i>Nature Climate Change</i> , 2018, 8, 653-655.	18.8	21
42	Carbon storage on exposed continental shelves during the glacial-interglacial transition. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	18
43	If Anthropogenic CO <sub>2</sub> Emissions Cease, Will Atmospheric CO <sub>2</sub> Concentration Continue to Increase?. <i>Journal of Climate</i> , 2013, 26, 9563-9576.	3.2	17
44	Impact of climate sensitivity and polar amplification on projections of Greenland Ice Sheet loss. <i>Climate Dynamics</i> , 2014, 43, 2249-2260.	3.8	14
45	Global glaciation in the Neoproterozoic: Reconciling previous modelling results. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	11
46	Climate, African and Beringian subaerial continental shelves, and migration of early peoples. <i>Quaternary International</i> , 2008, 183, 83-101.	1.5	11
47	WETMETH 1.0: a new wetland methane model for implementation in Earth system models. <i>Geoscientific Model Development</i> , 2021, 14, 6215-6240.	3.6	8
48	Snow cover validation and sensitivity to CO <sub>2</sub> in the UVic ESCM. <i>Atmosphere - Ocean</i> , 2009, 47, 224-237.	1.6	4
49	Correspondence: Comment on "Sea parametrization of solar energy disposition in the climate system" (Wang et al., 2004). <i>Atmosphere - Ocean</i> , 2004, 42, 293-294.	1.6	0