

Michael Eby

List of Publications by Year in descending order

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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	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
2	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
3	The Zero Emissions Commitment Model Intercomparison Project (ZECMIP) contribution to C4MIP: quantifying committed climate changes following zero carbon emissions. <i>Geoscientific Model Development</i> , 2019, 12, 4375-4385.	3.6	56
4	Sea-level commitment as a gauge for climate policy. <i>Nature Climate Change</i> , 2018, 8, 653-655.	18.8	21
5	The Sensitivity of the Proportionality between Temperature Change and Cumulative CO ₂ Emissions to Ocean Mixing. <i>Journal of Climate</i> , 2017, 30, 2921-2935.	3.2	25
6	Estimating Carbon Budgets for Ambitious Climate Targets. <i>Current Climate Change Reports</i> , 2017, 3, 69-77.	8.6	52
7	The climate response to five trillion tonnes of carbon. <i>Nature Climate Change</i> , 2016, 6, 851-855.	18.8	77
8	Consequences of twenty-first-century policy for multi-millennial climate and sea-level change. <i>Nature Climate Change</i> , 2016, 6, 360-369.	18.8	442
9	Deforestation Induced Climate Change: Effects of Spatial Scale. <i>PLoS ONE</i> , 2016, 11, e0153357.	2.5	47
10	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
11	Long-Term Climate Change Commitment and Reversibility: An EMIC Intercomparison. <i>Journal of Climate</i> , 2013, 26, 5782-5809.	3.2	208
12	Carbon-13 Concentration and Carbon-13 Climate Feedbacks in CMIP5 Earth System Models. <i>Journal of Climate</i> , 2013, 26, 5289-5314.	3.2	576
13	If Anthropogenic CO ₂ Emissions Cease, Will Atmospheric CO ₂ Concentration Continue to Increase?. <i>Journal of Climate</i> , 2013, 26, 9563-9576.	3.2	17
14	The importance of the terrestrial weathering feedback for multimillennial coral reef habitat recovery. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	4.9	34
15	Nonlinearity of Carbon Cycle Feedbacks. <i>Journal of Climate</i> , 2011, 24, 4255-4275.	3.2	49
16	Simulating the global distribution of nitrogen isotopes in the ocean. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	4.9	186
17	Setting cumulative emissions targets to reduce the risk of dangerous climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16129-16134.	7.1	249
18	The Southern Ocean Overturning: Parameterized versus Permitted Eddies. <i>Journal of Physical Oceanography</i> , 2009, 39, 1634-1651.	1.7	26

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19	The net carbon drawdown of small scale afforestation from satellite observations. <i>Global and Planetary Change</i> , 2009, 69, 195-204.	3.5	56
20	Atmospheric Lifetime of Fossil Fuel Carbon Dioxide. <i>Annual Review of Earth and Planetary Sciences</i> , 2009, 37, 117-134.	11.0	627
21	Snow cover validation and sensitivity to CO ₂ in the UVic ESCM. <i>Atmosphere - Ocean</i> , 2009, 47, 224-237.	1.6	4
22	CO ₂ 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
23	Carbon cycle feedbacks of changes in the Atlantic meridional overturning circulation under future atmospheric CO ₂ . <i>Global Biogeochemical Cycles</i> , 2008, 22, .	4.9	43
24	Climate, African and Beringian subaerial continental shelves, and migration of early peoples. <i>Quaternary International</i> , 2008, 183, 83-101.	1.5	11
25	Comment on "Saturation of the Southern Ocean CO ₂ Sink Due to Recent Climate Change". <i>Science</i> , 2008, 319, 570-570.	12.6	38
26	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
27	The Role of Poleward-Intensifying Winds on Southern Ocean Warming. <i>Journal of Climate</i> , 2007, 20, 5391-5400.	3.2	124
28	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
29	What determines the magnitude of carbon cycle-climate feedbacks?. <i>Global Biogeochemical Cycles</i> , 2007, 21, n/a-n/a.	4.9	54
30	Response of the Atlantic meridional overturning circulation to increasing atmospheric CO ₂ : Sensitivity to mean climate state. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	47
31	Response of the global carbon cycle to human-induced changes in Southern Hemisphere winds. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	47
32	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
33	Long term fate of anthropogenic carbon. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	97
34	Long term climate implications of 2050 emission reduction targets. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	55
35	Carbon storage on exposed continental shelves during the glacial-interglacial transition. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	18
36	Sensitivity of the thermohaline circulation to Arctic Ocean runoff. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	29

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37	Modelling pre-historic transoceanic crossings into the Americas. Quaternary Science Reviews, 2006, 25, 1323-1338.	3.0	37
38	Parasites, Paleoclimate, and the Peopling of the Americas. Current Anthropology, 2006, 47, 193-200.	1.6	36
39	Primary productivity control of simulated carbon cycle-climate feedbacks. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	33
40	Correspondence: Comment on "œa parametrization of solar energy disposition in the climate system" (Wang et al., 2004). Atmosphere - Ocean, 2004, 42, 293-294.	1.6	0
41	Global glaciation in the Neoproterozoic: Reconciling previous modelling results. Geophysical Research Letters, 2004, 31, .	4.0	11
42	Variation of Labrador Sea Water formation over the Last Glacial cycle in a climate model of intermediate complexity. Quaternary Science Reviews, 2004, 23, 449-465.	3.0	30
43	Sensitivity of the inorganic ocean carbon cycle to future climate warming in the UVic coupled model. Atmosphere - Ocean, 2004, 42, 23-42.	1.6	34
44	Radiative forcing of climate by historical land cover change. Geophysical Research Letters, 2003, 30, .	4.0	99
45	Distinguishing the Influence of Heat, Freshwater, and Momentum Fluxes on Ocean Circulation and Climate. Journal of Climate, 2002, 15, 3686-3697.	3.2	26
46	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
47	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
48	Evaluation of ocean and climate models using present-day observations and forcing. Atmosphere - Ocean, 2000, 38, 271-301.	1.6	21
49	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