

# Robin S Smith

## List of Publications by Citations

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40  
papers

1,459  
citations

20  
h-index

38  
g-index

52  
ext. papers

2,007  
ext. citations

6.3  
avg, IF

4.46  
L-index

#	Paper	IF	Citations
40	UKESM1: Description and Evaluation of the U.K. Earth System Model. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2019</b> , 11, 4513-4558	7.1	213
39	The Holocene temperature conundrum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E3501-5	11.5	198
38	Historical and idealized climate model experiments: an intercomparison of Earth system models of intermediate complexity. <i>Climate of the Past</i> , <b>2013</b> , 9, 1111-1140	3.9	127
37	Irreducible uncertainty in near-term climate projections. <i>Climate Dynamics</i> , <b>2016</b> , 46, 3807-3819	4.2	93
36	A description of the FAMOUS (version XDBUA) climate model and control run. <i>Geoscientific Model Development</i> , <b>2008</b> , 1, 53-68	6.3	78
35	ISMIP6 Antarctica: a multi-model ensemble of the Antarctic ice sheet evolution over the 21st century. <i>Cryosphere</i> , <b>2020</b> , 14, 3033-3070	5.5	71
34	The future sea-level contribution of the Greenland ice sheet: a multi-model ensemble study of ISMIP6. <i>Cryosphere</i> , <b>2020</b> , 14, 3071-3096	5.5	62
33	A study of the sensitivity of ocean overturning circulation and climate to freshwater input in different regions of the North Atlantic. <i>Geophysical Research Letters</i> , <b>2009</b> , 36, n/a-n/a	4.9	55
32	The last glacial cycle: transient simulations with an AOGCM. <i>Climate Dynamics</i> , <b>2012</b> , 38, 1545-1559	4.2	48
31	Projected land ice contributions to twenty-first-century sea level rise. <i>Nature</i> , <b>2021</b> , 593, 74-82	50.4	45
30	Global glacier volume projections under high-end climate change scenarios. <i>Cryosphere</i> , <b>2019</b> , 13, 325-350	5.5	45
29	Ocean Heat Uptake Processes: A Model Intercomparison. <i>Journal of Climate</i> , <b>2015</b> , 28, 887-908	4.4	42
28	The FAMOUS climate model (versions XFXWB and XFHCC): description update to version XDBUA. <i>Geoscientific Model Development</i> , <b>2012</b> , 5, 269-276	6.3	35
27	The drivers of projected North Atlantic sea level change. <i>Climate Dynamics</i> , <b>2014</b> , 43, 1531-1544	4.2	34
26	Earth System Model Evaluation Tool (ESMValTool) v2.0: an extended set of large-scale diagnostics for quasi-operational and comprehensive evaluation of Earth system models in CMIP. <i>Geoscientific Model Development</i> , <b>2020</b> , 13, 3383-3438	6.3	32
25	Experimental protocol for sea level projections from ISMIP6 stand-alone ice sheet models. <i>Cryosphere</i> , <b>2020</b> , 14, 2331-2368	5.5	32
24	Mountain ranges favour vigorous Atlantic meridional overturning. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	31

23	Terrestrial biosphere changes over the last 120 kyr. <i>Climate of the Past</i> , <b>2016</b> , 12, 51-73	3.9	31
22	Global Climate and Ocean Circulation on an Aquaplanet Ocean-Atmosphere General Circulation Model. <i>Journal of Climate</i> , <b>2006</b> , 19, 4719-4737	4.4	29
21	Where were the monsoon regions and arid zones in Asia prior to the Tibetan Plateau uplift?. <i>National Science Review</i> , <b>2015</b> , 2, 403-416	10.8	25
20	Continental drift and plateau uplift control origination and evolution of Asian and Australian monsoons. <i>Scientific Reports</i> , <b>2017</b> , 7, 40344	4.9	19
19	Improved Climate Simulations through a Stochastic Parameterization of Ocean Eddies. <i>Journal of Climate</i> , <b>2016</b> , 29, 8763-8781	4.4	19
18	Optimising the FAMOUS climate model: inclusion of global carbon cycling. <i>Geoscientific Model Development</i> , <b>2013</b> , 6, 141-160	6.3	14
17	Observable, low-order dynamical controls on thresholds of the Atlantic meridional overturning circulation. <i>Climate Dynamics</i> , <b>2019</b> , 53, 6815-6834	4.2	9
16	Global warming and ocean stratification: A potential result of large extraterrestrial impacts. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 3841-3848	4.9	8
15	Continental drift, plateau uplift, and the evolutions of monsoon and arid regions in Asia, Africa, and Australia during the Cenozoic. <i>Science China Earth Sciences</i> , <b>2019</b> , 62, 1053-1075	4.6	8
14	Response of the Atlantic meridional overturning circulation to a reversal of greenhouse gas increases. <i>Climate Dynamics</i> , <b>2014</b> , 42, 3323-3336	4.2	8
13	Future Sea Level Change Under Coupled Model Intercomparison Project Phase 5 and Phase 6 Scenarios From the Greenland and Antarctic Ice Sheets. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL091747	4.9	7
12	The impact of salinity perturbations on the future uptake of heat by the Atlantic Ocean. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 9072-9079	4.9	6
11	Large and irreversible future decline of the Greenland ice sheet. <i>Cryosphere</i> , <b>2020</b> , 14, 4299-4322	5.5	6
10	ISMIP6 Antarctica: a multi-model ensemble of the Antarctic ice sheet evolution over the 21 <sup>st</sup> century		5
9	Earth system models129-159		4
8	The Physical Climate at Global Warming Thresholds as seen in the UK Earth System Model. <i>Journal of Climate</i> , <b>2021</b> , 1-64	4.4	3
7	Simulation of the mid-Pliocene Warm Period using HadGEM3: experimental design and results from model-model and model-data comparison. <i>Climate of the Past</i> , <b>2021</b> , 17, 2139-2163	3.9	3
6	Coupling the U.K. Earth System Model to dynamic models of the Greenland and Antarctic ice sheets. <i>Journal of Advances in Modeling Earth Systems</i> , e2021MS002520	7.1	3

5	FAMOUS version xotzt (FAMOUS-ice): a general circulation model (GCM) capable of energy- and water-conserving coupling to an ice sheet model. <i>Geoscientific Model Development</i> , <b>2021</b> , 14, 5769-5787	6.3	3
4	Ocean circulation drifts in multi-millennial climate simulations: the role of salinity corrections and climate feedbacks. <i>Climate Dynamics</i> , <b>2019</b> , 52, 1761-1781	4.2	2
3	Factors influencing anthropogenic carbon dioxide uptake in the North Atlantic in models of the ocean carbon cycle. <i>Climate Dynamics</i> , <b>2008</b> , 31, 599-613	4.2	2
2	Earth system music: music generated from the United Kingdom Earth System Model (UKESM1). <i>Geoscience Communication</i> , <b>2020</b> , 3, 263-278	0.7	2
1	FORTE 2.0: a fast, parallel and flexible coupled climate model. <i>Geoscientific Model Development</i> , <b>2021</b> , 14, 275-293	6.3	0