

Peter Hopcroft

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

1,248
citations

16
h-index

35
g-index

51
ext. papers

1,536
ext. citations

7
avg. IF

4.14
L-index

#	Paper	IF	Citations
37	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> , 2021 , 17, 2139-2163	3.9	3
36	Using the Mid-Holocene Greening of the Sahara to Narrow Acceptable Ranges on Climate Model Parameters. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL092043	4.9	1
35	Controls on the Tropical Response to Abrupt Climate Changes. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087518	4.9	1
34	Polar amplification of Pliocene climate by elevated trace gas radiative forcing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 23401-23407	11.5	4
33	Reassessing the Value of Regional Climate Modeling Using Paleoclimate Simulations. <i>Geophysical Research Letters</i> , 2019 , 46, 12464-12475	4.9	4
32	Impact of abrupt sea ice loss on Greenland water isotopes during the last glacial period. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 4099-4104	11.5	16
31	A simulated Northern Hemisphere terrestrial climate dataset for the past 60,000 years. <i>Scientific Data</i> , 2019 , 6, 265	8.2	8
30	On the Role of Dust-Climate Feedbacks During the Mid-Holocene. <i>Geophysical Research Letters</i> , 2019 , 46, 1612-1621	4.9	15
29	Bayesian Analysis of the Glacial-Interglacial Methane Increase Constrained by Stable Isotopes and Earth System Modeling. <i>Geophysical Research Letters</i> , 2018 , 45, 3653-3663	4.9	6
28	Reduced cooling following future volcanic eruptions. <i>Climate Dynamics</i> , 2018 , 51, 1449-1463	4.2	11
27	The PMIP4 contribution to CMIP6 [Part 1: Overview and over-arching analysis plan. <i>Geoscientific Model Development</i> , 2018 , 11, 1033-1057	6.3	106
26	Understanding the glacial methane cycle. <i>Nature Communications</i> , 2017 , 8, 14383	17.4	22
25	The BRIDGE HadCM3 family of climate models: HadCM3@Bristol v1.0 2017 ,		9
24	The PMIP4 contribution to CMIP6 [Part 4: Scientific objectives and experimental design of the PMIP4-CMIP6 Last Glacial Maximum experiments and PMIP4 sensitivity experiments 2017 ,		1
23	Atmospheric science: Ancient ice and the global methane cycle. <i>Nature</i> , 2017 , 548, 403-404	50.4	1
22	Multi vegetation model evaluation of the Green Sahara climate regime. <i>Geophysical Research Letters</i> , 2017 , 44, 6804-6813	4.9	27
21	The PMIP4 contribution to CMIP6 [Part 4: Scientific objectives and experimental design of the PMIP4-CMIP6 Last Glacial Maximum experiments and PMIP4 sensitivity experiments. <i>Geoscientific Model Development</i> , 2017 , 10, 4035-4055	6.3	98

20	The BRIDGE HadCM3 family of climate models: HadCM3@Bristol v1.0. <i>Geoscientific Model Development</i> , 2017 , 10, 3715-3743	6.3	106
19	PMIP4-CMIP6: the contribution of the Paleoclimate Modelling Intercomparison Project to CMIP6 2016 ,		17
18	Last glacial maximum constraints on the Earth System model HadGEM2-ES. <i>Climate Dynamics</i> , 2015 , 45, 1657-1672	4.2	22
17	Last glacial maximum radiative forcing from mineral dust aerosols in an Earth system model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 8186-8205	4.4	28
16	How well do simulated last glacial maximum tropical temperatures constrain equilibrium climate sensitivity?. <i>Geophysical Research Letters</i> , 2015 , 42, 5533-5539	4.9	17
15	Limited response of peatland CH ₄ emissions to abrupt Atlantic Ocean circulation changes in glacial climates. <i>Climate of the Past</i> , 2014 , 10, 137-154	3.9	7
14	Present state of global wetland extent and wetland methane modelling: conclusions from a model inter-comparison project (WETCHIMP). <i>Biogeosciences</i> , 2013 , 10, 753-788	4.6	382
13	Present state of global wetland extent and wetland methane modelling: methodology of a model inter-comparison project (WETCHIMP). <i>Geoscientific Model Development</i> , 2013 , 6, 617-641	6.3	128
12	Evaluation of biospheric components in Earth system models using modern and palaeo-observations: the state-of-the-art. <i>Biogeosciences</i> , 2013 , 10, 8305-8328	4.6	10
11	Response of methane emissions from wetlands to the Last Glacial Maximum and an idealized Dansgaard-Oeschger climate event: insights from two models of different complexity. <i>Climate of the Past</i> , 2013 , 9, 149-171	3.9	13
10	Climate and carbon cycle response to the 1815 Tambora volcanic eruption. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 12,497-12,507	4.4	30
9	Controls on the tropospheric oxidizing capacity during an idealized Dansgaard-Oeschger event, and their implications for the rapid rises in atmospheric methane during the last glacial period. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	18
8	Present state of global wetland extent and wetland methane modelling: methodology of a model intercomparison project (WETCHIMP) 2012 ,		10
7	Simulating idealized Dansgaard-Oeschger events and their potential impacts on the global methane cycle. <i>Quaternary Science Reviews</i> , 2011 , 30, 3258-3268	3.9	36
6	A Bayesian partition modelling approach to resolve spatial variability in climate records from borehole temperature inversion. <i>Geophysical Journal International</i> , 2009 , 178, 651-666	2.6	21
5	Three-dimensional simulation and inversion of borehole temperatures for reconstructing past climate in complex settings. <i>Journal of Geophysical Research</i> , 2009 , 114,		8
4	Inference of past climate from borehole temperature data using Bayesian Reversible Jump Markov chain Monte Carlo. <i>Geophysical Journal International</i> , 2007 , 171, 1430-1439	2.6	39
3	Present state of global wetland extent and wetland methane modelling: conclusions from a model intercomparison project (WETCHIMP)		13

2	Response of methane emissions from wetlands to the Last Glacial Maximum and an idealized Dansgaard-Oeschger climate event: insights from two models of different complexity	3
1	Limited response of peatland CH ₄ emissions to abrupt Atlantic Ocean circulation changes in glacial climates	1