

# Christian Stepanek

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

1,596  
citations

331538

21  
h-index

414303

32  
g-index

66  
all docs

66  
docs citations

66  
times ranked

1695  
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-scale features of Pliocene climate: results from the Pliocene Model Intercomparison Project. <i>Climate of the Past</i> , 2013, 9, 191-209.	1.3	289
2	Challenges in quantifying Pliocene terrestrial warming revealed by data-model discord. <i>Nature Climate Change</i> , 2013, 3, 969-974.	8.1	132
3	Sea Surface Temperature of the mid-Piacenzian Ocean: A Data-Model Comparison. <i>Scientific Reports</i> , 2013, 3, 2013.	1.6	124
4	Modelling mid-Pliocene climate with COSMOS. <i>Geoscientific Model Development</i> , 2012, 5, 1221-1243.	1.3	94
5	The Pliocene Model Intercomparison Project Phase 2: large-scale climate features and climate sensitivity. <i>Climate of the Past</i> , 2020, 16, 2095-2123.	1.3	93
6	Large-scale features of Last Interglacial climate: results from evaluating the &lt;i>CCSM</i> simulations for the Coupled Model Intercomparison Project (CMIP6) Paleoclimate Modeling Intercomparison Project (PMIP4). <i>Climate of the Past</i> , 2021, 17, 63-94.	1.3	76
7	Mid-Pliocene East Asian monsoon climate simulated in the PlioMIP. <i>Climate of the Past</i> , 2013, 9, 2085-2099.	1.3	60
8	Evaluating the dominant components of warming in Pliocene climate simulations. <i>Climate of the Past</i> , 2014, 10, 79-90.	1.3	58
9	Lessons from a high-CO <sub>2</sub> world: an ocean view from 3 million years ago. <i>Climate of the Past</i> , 2020, 16, 1599-1615.	1.3	52
10	Abrupt Climate and Weather Changes Across Time Scales. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003782.	1.3	51
11	Mid-pliocene Atlantic Meridional Overturning Circulation not unlike modern. <i>Climate of the Past</i> , 2013, 9, 1495-1504.	1.3	50
12	Agreement between reconstructed and modeled boreal precipitation of the Last Interglacial. <i>Science Advances</i> , 2019, 5, eaax7047.	4.7	46
13	Evaluation of FESOM2.0 Coupled to ECHAM6.3: Preindustrial and HighResMIP Simulations. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 3794-3815.	1.3	38
14	Using results from the PlioMIP ensemble to investigate the Greenland Ice Sheet during the mid-Pliocene Warm Period. <i>Climate of the Past</i> , 2015, 11, 403-424.	1.3	35
15	Estimates of late Cenozoic climate change relevant to Earth surface processes in tectonically active orogens. <i>Earth Surface Dynamics</i> , 2018, 6, 271-301.	1.0	34
16	Rock art imagery as a proxy for Holocene environmental change: A view from Shuwaymis, NW Saudi Arabia. <i>Holocene</i> , 2016, 26, 1822-1834.	0.9	30
17	PaCTS 1.0: A Crowdsourced Reporting Standard for Paleoclimate Data. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1570-1596.	1.3	30
18	Past terrestrial hydroclimate sensitivity controlled by Earth system feedbacks. <i>Nature Communications</i> , 2022, 13, 1306.	5.8	28

#	ARTICLE	IF	CITATIONS
19	Climate-vegetation modelling and fossil plant data suggest low atmospheric CO <sub>2</sub> in the late Miocene. <i>Climate of the Past</i> , 2015, 11, 1701-1732.	1.3	26
20	Drier tropical and subtropical Southern Hemisphere in the mid-Pliocene Warm Period. <i>Scientific Reports</i> , 2020, 10, 13458.	1.6	25
21	Contribution of the coupled atmosphere–ocean–sea ice–vegetation model COSMOS to the PlioMIP2. <i>Climate of the Past</i> , 2020, 16, 2275-2323.	1.3	25
22	Evaluation of Arctic warming in mid-Pliocene climate simulations. <i>Climate of the Past</i> , 2020, 16, 2325-2341.	1.3	21
23	Evaluating the large-scale hydrological cycle response within the Pliocene Model Intercomparison Project Phase 2 (PlioMIP2) ensemble. <i>Climate of the Past</i> , 2021, 17, 2537-2558.	1.3	21
24	Mid-Pliocene Atlantic Meridional Overturning Circulation simulated in PlioMIP2. <i>Climate of the Past</i> , 2021, 17, 529-543.	1.3	20
25	Global River Discharge and Floods in the Warmer Climate of the Last Interglacial. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089375.	1.5	18
26	Arctic sea ice simulation in the PlioMIP ensemble. <i>Climate of the Past</i> , 2016, 12, 749-767.	1.3	15
27	Sensitivity of mid-Pliocene climate to changes in orbital forcing and PlioMIP's boundary conditions. <i>Climate of the Past</i> , 2020, 16, 1643-1665.	1.3	11
28	A salty deep ocean as a prerequisite for glacial termination. <i>Nature Geoscience</i> , 2021, 14, 930-936.	5.4	11
29	Mid-Pliocene West African Monsoon rainfall as simulated in the PlioMIP2 ensemble. <i>Climate of the Past</i> , 2021, 17, 1777-1794.	1.3	10
30	Reduced El Niño variability in the mid-Pliocene according to the PlioMIP2 ensemble. <i>Climate of the Past</i> , 2021, 17, 2427-2450.	1.3	10
31	Effects of CO <sub>2</sub> and Ocean Mixing on Miocene and Pliocene Temperature Gradients. <i>Paleoceanography and Paleoclimatology</i> , 2022, 37, .	1.3	8
32	Mediterranean heat injection to the North Atlantic delayed the intensification of Northern Hemisphere glaciations. <i>Communications Earth &amp; Environment</i> , 2021, 2, .	2.6	6