

Steven J Phipps

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

4,898
citations

117571

34
h-index

114418

63
g-index

97
all docs

97
docs citations

97
times ranked

6818
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of long-term changes in solar irradiance forcing on the Southern Annular Mode. <i>Climate of the Past</i> , 2022, 18, 1509-1528.	1.3	4
2	An iterative process for efficient optimisation of parameters in geoscientific models: a demonstration using the Parallel Ice Sheet Model (PISM) version 0.7.3. <i>Geoscientific Model Development</i> , 2021, 14, 5107-5124.	1.3	2
3	Extending and understanding the South West Western Australian rainfall record using a snowfall reconstruction from Law Dome, East Antarctica. <i>Climate of the Past</i> , 2021, 17, 1973-1987.	1.3	8
4	The Sensitivity of the Antarctic Ice Sheet to a Changing Climate: Past, Present, and Future. <i>Reviews of Geophysics</i> , 2020, 58, e2019RG000663.	9.0	49
5	Weakening of the Extratropical Storm Tracks in Solar Geoengineering Scenarios. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087348.	1.5	12
6	Natural drivers of multidecadal Arctic sea ice variability over the last millennium. <i>Scientific Reports</i> , 2020, 10, 688.	1.6	12
7	Robust estimates of the true (population) infection rate for COVID-19: a backcasting approach. <i>Royal Society Open Science</i> , 2020, 7, 200909.	1.1	52
8	PaCTS 1.0: A Crowdsourced Reporting Standard for Paleoclimate Data. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1570-1596.	1.3	30
9	Ocean carbon and nitrogen isotopes in CSIRO Mk3L-COAL version 1.0: a tool for palaeoceanographic research. <i>Geoscientific Model Development</i> , 2019, 12, 1491-1523.	1.3	9
10	Back to the Future: Using Long-Term Observational and Paleo-Proxy Reconstructions to Improve Model Projections of Antarctic Climate. <i>Geosciences (Switzerland)</i> , 2019, 9, 255.	1.0	27
11	Holocene El Niño Southern Oscillation variability reflected in subtropical Australian precipitation. <i>Scientific Reports</i> , 2019, 9, 1627.	1.6	65
12	Marine nitrogen fixers mediate a low latitude pathway for atmospheric CO2 drawdown. <i>Nature Communications</i> , 2019, 10, 4611.	5.8	13
13	Dynamic Biological Functioning Important for Simulating and Stabilizing Ocean Biogeochemistry. <i>Global Biogeochemical Cycles</i> , 2018, 32, 565-593.	1.9	10
14	Land radiative management as contributor to regional-scale climate adaptation and mitigation. <i>Nature Geoscience</i> , 2018, 11, 88-96.	5.4	96
15	Response to marine cloud brightening in a multi-model ensemble. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 621-634.	1.9	37
16	The climate effects of increasing ocean albedo: an idealized representation of solar geoengineering. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 13097-13113.	1.9	19
17	The PMIP4 contribution to CMIP6 – Part 1: Overview and over-arching analysis plan. <i>Geoscientific Model Development</i> , 2018, 11, 1033-1057.	1.3	164
18	Rapid global ocean-atmosphere response to Southern Ocean freshening during the last glacial. <i>Nature Communications</i> , 2017, 8, 520.	5.8	15

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19	Impact of the GeoMIP G1 sunshade geoengineering experiment on the Atlantic meridional overturning circulation. <i>Environmental Research Letters</i> , 2017, 12, 034009.	2.2	19
20	Evaluation of PMIP2 and PMIP3 simulations of mid-Holocene climate in the Indo-Pacific, Australasian and Southern Ocean regions. <i>Climate of the Past</i> , 2017, 13, 1661-1684.	1.3	2
21	Comparing proxy and model estimates of hydroclimate variability and change over the Common Era. <i>Climate of the Past</i> , 2017, 13, 1851-1900.	1.3	93
22	The PMIP4 contribution to CMIP6 – Part 2: Two interglacials, scientific objective and experimental design for Holocene and Last Interglacial simulations. <i>Geoscientific Model Development</i> , 2017, 10, 3979-4003.	1.3	171
23	The PMIP4 contribution to CMIP6 – Part 3: The last millennium, scientific objective, and experimental design for the PMIP4 <sup>past1000</sup> simulations. <i>Geoscientific Model Development</i> , 2017, 10, 4005-4033.	1.3	155
24	The simulated climate of the Last Glacial Maximum and insights into the global marine carbon cycle. <i>Climate of the Past</i> , 2016, 12, 2271-2295.	1.3	31
25	Early onset of industrial-era warming across the oceans and continents. <i>Nature</i> , 2016, 536, 411-418.	13.7	242
26	Impacts of marine instability across the East Antarctic Ice Sheet on Southern Ocean dynamics. <i>Cryosphere</i> , 2016, 10, 2317-2328.	1.5	13
27	Optimized coral reconstructions of the Indian Ocean Dipole: An assessment of location and length considerations. <i>Paleoceanography</i> , 2015, 30, 1391-1405.	3.0	20
28	Sensitivity of the Southern Ocean to enhanced regional Antarctic ice sheet meltwater input. <i>Earth's Future</i> , 2015, 3, 317-329.	2.4	50
29	The Geoengineering Model Intercomparison Project Phase 6 (GeoMIP6): simulation design and preliminary results. <i>Geoscientific Model Development</i> , 2015, 8, 3379-3392.	1.3	140
30	Weighting climate model ensembles for mean and variance estimates. <i>Climate Dynamics</i> , 2015, 45, 3169-3181.	1.7	39
31	A continental narrative: Human settlement patterns and Australian climate change over the last 35,000 years. <i>Quaternary Science Reviews</i> , 2015, 123, 91-112.	1.4	80
32	Robust global ocean cooling trend for the pre-industrial Common Era. <i>Nature Geoscience</i> , 2015, 8, 671-677.	5.4	166
33	<sup>Be</sup> in late deglacial climate simulated by ECHAM5-HAM – Part 2: Isolating the solar signal from <sup>Be</sup> deposition. <i>Climate of the Past</i> , 2014, 10, 687-696.	1.3	4
34	The Little Ice Age climate of New Zealand reconstructed from Southern Alps cirque glaciers: a synoptic type approach. <i>Climate Dynamics</i> , 2014, 42, 3039-3060.	1.7	57
35	On the generation of climate model ensembles. <i>Climate Dynamics</i> , 2014, 43, 2297-2308.	1.7	17
36	Evolution of the Southern Annular Mode during the past millennium. <i>Nature Climate Change</i> , 2014, 4, 564-569.	8.1	277

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37	Temperature trends during the Present and Last Interglacial periods – a multi-model-data comparison. <i>Quaternary Science Reviews</i> , 2014, 99, 224-243.	1.4	48
38	A reconstruction of extratropical Indo-Pacific sea-level pressure patterns during the Medieval Climate Anomaly. <i>Climate Dynamics</i> , 2014, 43, 1197-1219.	1.7	36
39	Paleoclimate Data – Model Comparison and the Role of Climate Forcings over the Past 1500 Years*. <i>Journal of Climate</i> , 2013, 26, 6915-6936.	1.2	108
40	Climate variability over the last 35,000 years recorded in marine and terrestrial archives in the Australian region: an OZ-INTIMATE compilation. <i>Quaternary Science Reviews</i> , 2013, 74, 21-34.	1.4	162
41	Continental-scale temperature variability during the past two millennia. <i>Nature Geoscience</i> , 2013, 6, 339-346.	5.4	954
42	Reducing uncertainty in the climatic interpretations of speleothem $\delta^{18}O$. <i>Geophysical Research Letters</i> , 2013, 40, 2259-2264.	1.5	14
43	A weak El Niño/Southern Oscillation with delayed seasonal growth around 4,300 years ago. <i>Nature Geoscience</i> , 2013, 6, 949-953.	5.4	102
44	Nonstationary Australasian Teleconnections and Implications for Paleoclimate Reconstructions. <i>Journal of Climate</i> , 2013, 26, 8827-8849.	1.2	61
45	Quantifying errors in coral-based ENSO estimates: Toward improved forward modeling of $\delta^{18}O$. <i>Paleoceanography</i> , 2013, 28, 633-649.	3.0	21
46	High-resolution modelling of mid-Holocene New Zealand climate at 6000 yr BP. <i>Holocene</i> , 2013, 23, 1272-1285.	0.9	12
47	Separating Forced from Chaotic Climate Variability over the Past Millennium. <i>Journal of Climate</i> , 2013, 26, 6954-6973.	1.2	139
48	Hydrological modeling of stalagmite $\delta^{18}O$ response to glacial-interglacial transitions. <i>Geophysical Research Letters</i> , 2013, 40, 3207-3212.	1.5	16
49	A multi-model assessment of last interglacial temperatures. <i>Climate of the Past</i> , 2013, 9, 699-717.	1.3	134
50	Large-scale temperature response to external forcing in simulations and reconstructions of the last millennium. <i>Climate of the Past</i> , 2013, 9, 393-421.	1.3	131
51	$\delta^{10}Be$ in late deglacial climate simulated by ECHAM5-HAM – Part 1: Climatological influences on $\delta^{10}Be$ deposition. <i>Climate of the Past</i> , 2013, 9, 2641-2649.	1.3	14
52	The CSIRO Mk3L climate system model version 1.0 – Part 2: Response to external forcings. <i>Geoscientific Model Development</i> , 2012, 5, 649-682.	1.3	68
53	Downscaling the climate change for oceans around Australia. <i>Geoscientific Model Development</i> , 2012, 5, 1177-1194.	1.3	26
54	Climate Drift in the CMIP3 Models. <i>Journal of Climate</i> , 2012, 25, 4621-4640.	1.2	72

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55	Millennial-length forward models and pseudoproxies of stalagmite $\delta^{18}O$: an example from NW Scotland. <i>Climate of the Past</i> , 2012, 8, 1153-1167.	1.3	40
56	Importance of background climate in determining impact of land-cover change on regional climate. <i>Nature Climate Change</i> , 2011, 1, 472-475.	8.1	168
57	Using synoptic type analysis to understand New Zealand climate during the Mid-Holocene. <i>Climate of the Past</i> , 2011, 7, 1189-1207.	1.3	23
58	Global and regional coupled climate sensitivity to the parameterization of rainfall interception. <i>Climate Dynamics</i> , 2011, 37, 171-186.	1.7	4
59	The CSIRO Mk3L climate system model version 1.0 – Part 1: Description and evaluation. <i>Geoscientific Model Development</i> , 2011, 4, 483-509.	1.3	117
60	The CSIRO Mk3L climate system model v1.0 coupled to the CABLE land surface scheme v1.4b: evaluation of the control climatology. <i>Geoscientific Model Development</i> , 2011, 4, 1115-1131.	1.3	18
61	The Role of the Indonesian Throughflow on ENSO Dynamics in a Coupled Climate Model. <i>Journal of Climate</i> , 2011, 24, 585-601.	1.2	34
62	Understanding ENSO dynamics through the exploration of past climates. <i>IOP Conference Series: Earth and Environmental Science</i> , 2010, 9, 012010.	0.2	1
63	A data study of the influence of the equatorial upper stratosphere on northern-hemisphere stratospheric sudden warmings. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2001, 127, 1985-2003.	1.0	100
64	A data study of the influence of the equatorial upper stratosphere on northern-hemisphere stratospheric sudden warmings. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2001, 127, 1985-2004.	1.0	2