

# Andrew P Schurer

## List of Publications by Citations

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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.

48 papers	2,750 citations	24 h-index	52 g-index
57 ext. papers	3,329 ext. citations	7.1 avg, IF	5.13 L-index

#	Paper	IF	Citations
48	The HadGEM2-ES implementation of CMIP5 centennial simulations. <i>Geoscientific Model Development</i> , <b>2011</b> , 4, 543-570	6.3	662
47	Last millennium northern hemisphere summer temperatures from tree rings: Part I: The long term context. <i>Quaternary Science Reviews</i> , <b>2016</b> , 134, 1-18	3.9	223
46	European summer temperatures since Roman times. <i>Environmental Research Letters</i> , <b>2016</b> , 11, 024001	6.2	185
45	Estimating Changes in Global Temperature since the Preindustrial Period. <i>Bulletin of the American Meteorological Society</i> , <b>2017</b> , 98, 1841-1856	6.1	182
44	Consistent multi-decadal variability in global temperature reconstructions and simulations over the Common Era. <i>Nature Geoscience</i> , <b>2019</b> , 12, 643-649	18.3	123
43	Small influence of solar variability on climate over the past millennium. <i>Nature Geoscience</i> , <b>2014</b> , 7, 104-108	10.3	118
42	Last millennium Northern Hemisphere summer temperatures from tree rings: Part II, spatially resolved reconstructions. <i>Quaternary Science Reviews</i> , <b>2017</b> , 163, 1-22	3.9	112
41	Separating Forced from Chaotic Climate Variability over the Past Millennium. <i>Journal of Climate</i> , <b>2013</b> , 26, 6954-6973	4.4	111
40	The PMIP4 contribution to CMIP6 [Part 3: The last millennium, scientific objective, and experimental design for the PMIP4 <i>past1000</i> simulations. <i>Geoscientific Model Development</i> , <b>2017</b> , 10, 4005-4033	6.3	94
39	The effect of volcanic eruptions on global precipitation. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 8770-8786	4.4	89
38	Continental-scale temperature variability in PMIP3 simulations and PAGES 2k regional temperature reconstructions over the past millennium. <i>Climate of the Past</i> , <b>2015</b> , 11, 1673-1699	3.9	75
37	Importance of the Pre-Industrial Baseline in Determining the Likelihood of Exceeding the Paris Limits. <i>Nature Climate Change</i> , <b>2017</b> , 7, 563-567	21.4	67
36	The early 20th century warming: Anomalies, causes, and consequences. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , <b>2018</b> , 9, e522	8.4	67
35	The importance of ENSO phase during volcanic eruptions for detection and attribution. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 2851-2858	4.9	60
34	A Limited Role for Unforced Internal Variability in Twentieth-Century Warming. <i>Journal of Climate</i> , <b>2019</b> , 32, 4893-4917	4.4	52
33	Causes of climate change over the historical record. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 123006	6.2	47
32	Climate models without preindustrial volcanic forcing underestimate historical ocean thermal expansion. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 1600-1604	4.9	44

31	Last phase of the Little Ice Age forced by volcanic eruptions. <i>Nature Geoscience</i> , <b>2019</b> , 12, 650-656	18.3	41
30	Detectable Impact of Local and Remote Anthropogenic Aerosols on the 20th Century Changes of West African and South Asian Monsoon Precipitation. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 4871-4889	4.4	40
29	The Maunder minimum and the Little Ice Age: an update from recent reconstructions and climate simulations. <i>Journal of Space Weather and Space Climate</i> , <b>2017</b> , 7, A33	2.5	35
28	Determining the likelihood of pauses and surges in global warming. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 5974-5982	4.9	33
27	grasil-3d: an implementation of dust effects in the SEDs of simulated galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 439, 3868-3889	4.3	29
26	Estimating the Transient Climate Response from Observed Warming. <i>Journal of Climate</i> , <b>2018</b> , 31, 8645-8663	18.3	27
25	Modelling the effects of dust evolution on the SEDs of galaxies of different morphological type. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2009</b> , 394, 2001-2021	4.3	27
24	Interpretations of the Paris climate target. <i>Nature Geoscience</i> , <b>2018</b> , 11, 220-221	18.3	23
23	Discrepancies between the modeled and proxy-reconstructed response to volcanic forcing over the past millennium: Implications and possible mechanisms. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 7617-7627	4.4	19
22	Quantifying human contributions to past and future ocean warming and thermohaline sea level rise. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 074020	6.2	17
21	Possible causes of data model discrepancy in the temperature history of the last Millennium. <i>Scientific Reports</i> , <b>2018</b> , 8, 7572	4.9	16
20	Effects of Memory Biases on Variability of Temperature Reconstructions. <i>Journal of Climate</i> , <b>2019</b> , 32, 8713-8731	4.4	14
19	Volcanic-induced global monsoon drying modulated by diverse El Niño responses. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	11
18	The PMIP4 contribution to CMIP6 [Part 3: the Last Millennium, Scientific Objective and Experimental Design for the PMIP4 &lt;i>past1000&lt;/i> simulations] <b>2016</b> ,		11
17	Detection of human influences on temperature seasonality from the nineteenth century. <i>Nature Sustainability</i> , <b>2019</b> , 2, 484-490	22.1	10
16	Observational constraints on the effective climate sensitivity from the historical period. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 034043	6.2	10
15	Attribution of Detected Temperature Trends in Southeast Brazil. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 8407-8414	4.9	9
14	Modelling the spectral energy distribution of galaxies: introducing the artificial neural network. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> , no-no	4.3	9

13	Human influence strengthens the contrast between tropical wet and dry regions. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 104026	6.2	9
12	Ocean and land forcing of the record-breaking Dust Bowl heatwaves across central United States. <i>Nature Communications</i> , <b>2020</b> , 11, 2870	17.4	8
11	Natural drivers of multidecadal Arctic sea ice variability over the last millennium. <i>Scientific Reports</i> , <b>2020</b> , 10, 688	4.9	6
10	Disentangling the causes of the 1816 European year without a summer. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 094019	6.2	6
9	Assessing the Significance of Changes in ENSO Amplitude Using Variance Metrics. <i>Journal of Climate</i> , <b>2014</b> , 27, 4911-4922	4.4	6
8	Forced and Unforced Decadal Behavior of the Interhemispheric SST Contrast during the Instrumental Period (1881-2012): Contextualizing the Late 1960s/Early 1970s Shift. <i>Journal of Climate</i> , <b>2020</b> , 33, 3487-3509	4.4	5
7	Assessing opportunities to support coral reef climate change refugia in MPAs: A case study at the Revillagigedo Archipelago. <i>Marine Policy</i> , <b>2020</b> , 112, 103769	3.5	4
6	Widespread Persistent Extreme Cold Events Over South-East China: Mechanisms, Trends, and Attribution. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033447	4.4	4
5	Orbital Forcing Strongly Influences Seasonal Temperature Trends During the Last Millennium. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL088776	4.9	4
4	High-resolution marine data and transient simulations support orbital forcing of ENSO amplitude since the mid-Holocene. <i>Quaternary Science Reviews</i> , <b>2021</b> , 268, 107125	3.9	3
3	Continental-scale temperature variability in PMIP3 simulations and PAGES 2k regional temperature reconstructions over the past millennium		1
2	Large-scale emergence of regional changes in year-to-year temperature variability by the end of the 21 century.. <i>Nature Communications</i> , <b>2021</b> , 12, 7237	17.4	1
1	The importance of following the evolution of the dust in galaxies on their SEDs. <i>Proceedings of the International Astronomical Union</i> , <b>2008</b> , 4, 147-151	0.1	