

David A Stainforth

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

5,970
citations

230014

27
h-index

252626

46
g-index

53
all docs

53
docs citations

53
times ranked

6942
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing the Quality of Regional Climate Information. Bulletin of the American Meteorological Society, 2021, 102, E476-E491.	1.7	10
2	Assessing the quality of state-of-the-art regional climate information: the case of the UK Climate Projections 2018. Climatic Change, 2021, 168, 1.	1.7	3
3	On the appropriate and inappropriate uses of probability distributions in climate projections and some alternatives. Climatic Change, 2021, 169, 1.	1.7	11
4	Temperature variability implies greater economic damages from climate change. Nature Communications, 2020, 11, 5028.	5.8	18
5	New priorities for climate science and climate economics in the 2020s. Nature Communications, 2020, 11, 3864.	5.8	9
6	Trends in Winter Warm Spells in the Central England Temperature Record. Journal of Applied Meteorology and Climatology, 2020, 59, 1069-1076.	0.6	12
7	Uncertainty in geomorphological responses to climate change. Climatic Change, 2019, 156, 69-86.	1.7	18
8	Warming Trends in Summer Heatwaves. Geophysical Research Letters, 2019, 46, 1634-1640.	1.5	38
9	Building narratives to characterise uncertainty in regional climate change through expert elicitation. Environmental Research Letters, 2018, 13, 074005.	2.2	33
10	Water Resource Planning Under Future Climate and Socioeconomic Uncertainty in the Cauvery River Basin in Karnataka, India. Water Resources Research, 2018, 54, 708-728.	1.7	83
11	Storylines: an alternative approach to representing uncertainty in physical aspects of climate change. Climatic Change, 2018, 151, 555-571.	1.7	317
12	On the Physics of Three Integrated Assessment Models. Bulletin of the American Meteorological Society, 2017, 98, 1199-1216.	1.7	28
13	Irreducible uncertainty in near-term climate projections. Climate Dynamics, 2016, 46, 3807-3819.	1.7	134
14	Barriers and opportunities for robust decision making approaches to support climate change adaptation in the developing world. Climate Risk Management, 2016, 14, 1-10.	1.6	88
15	Limits to the quantification of local climate change. Environmental Research Letters, 2015, 10, 094018.	2.2	7
16	Tales of future weather. Nature Climate Change, 2015, 5, 107-113.	8.1	128
17	Equipped to deal with uncertainty in climate and impacts predictions: lessons from internal peer review. Climatic Change, 2015, 132, 1-14.	1.7	18
18	On quantifying the climate of the nonautonomous Lorenz-63 model. Chaos, 2015, 25, 043103.	1.0	17

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19	An assessment of the foundational assumptions in high-resolution climate projections: the case of UKCP09. <i>Synthese</i> , 2015, 192, 3979-4008.	0.6	34
20	Tall tales and fat tails: the science and economics of extreme warming. <i>Climatic Change</i> , 2015, 132, 127-141.	1.7	23
21	Testing climate assumptions. <i>Nature Climate Change</i> , 2014, 4, 248-249.	8.1	2
22	Do probabilistic expert elicitations capture scientists's uncertainty about climate change?. <i>Climatic Change</i> , 2013, 116, 427-436.	1.7	17
23	On predicting climate under climate change. <i>Environmental Research Letters</i> , 2013, 8, 034021.	2.2	48
24	Mapping climate change in European temperature distributions. <i>Environmental Research Letters</i> , 2013, 8, 034031.	2.2	29
25	The Myopia of Imperfect Climate Models: The Case of UKCP09. <i>Philosophy of Science</i> , 2013, 80, 886-897.	0.5	45
26	On estimating local long-term climate trends. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120287.	1.6	11
27	Clarify the limits of climate models. <i>Nature</i> , 2012, 489, 208-208.	13.7	8
28	Adaptation to Global Warming: Do Climate Models Tell Us What We Need to Know?. <i>Philosophy of Science</i> , 2010, 77, 1012-1028.	0.5	59
29	Analyzing the Climate Sensitivity of the HadSM3 Climate Model Using Ensembles from Different but Related Experiments. <i>Journal of Climate</i> , 2009, 22, 3540-3557.	1.2	144
30	Quantifying uncertainty, interpreting ensembles and combining models with process understanding. <i>IOP Conference Series: Earth and Environmental Science</i> , 2009, 6, 022002.	0.2	0
31	Decision makers, scientists and modellers: Collaborative approaches to enhancing adaptive capacity. <i>IOP Conference Series: Earth and Environmental Science</i> , 2009, 6, 362018.	0.2	0
32	Constraints on Model Response to Greenhouse Gas Forcing and the Role of Subgrid-Scale Processes. <i>Journal of Climate</i> , 2008, 21, 2384-2400.	1.2	57
33	Association of parameter, software, and hardware variation with large-scale behavior across 57,000 climate models. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 12259-12264.	3.3	65
34	Issues in the interpretation of climate model ensembles to inform decisions. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2007, 365, 2163-2177.	1.6	150
35	Confidence, uncertainty and decision-support relevance in climate predictions. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2007, 365, 2145-2161.	1.6	338
36	Model error in weather and climate forecasting. , 2006, , 391-427.		24

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37	Constraining Climate Sensitivity from the Seasonal Cycle in Surface Temperature. <i>Journal of Climate</i> , 2006, 19, 4224-4233.	1.2	158
38	Two Approaches to Quantifying Uncertainty in Global Temperature Changes. <i>Journal of Climate</i> , 2006, 19, 4785-4796.	1.2	63
39	Multispectral imaging contributions to global land ice measurements from space. <i>Remote Sensing of Environment</i> , 2005, 99, 187-219.	4.6	242
40	Uncertainty in predictions of the climate response to rising levels of greenhouse gases. <i>Nature</i> , 2005, 433, 403-406.	13.7	994
41	Constraining climate forecasts: The role of prior assumptions. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	135
42	Constraints on climate change from a multi-thousand member ensemble of simulations. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	130
43	Quantification of modelling uncertainties in a large ensemble of climate change simulations. <i>Nature</i> , 2004, 430, 768-772.	13.7	1,423
44	Equatorial stratospheric response to variations in deterministic and stochastic gravity wave parameterizations. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	20
45	Climateprediction.net: A Global Community for Research in Climate Physics. <i>Advanced Information and Knowledge Processing</i> , 2004, , 101-112.	0.2	6
46	Towards objective probabilistic climate forecasting. <i>Nature</i> , 2002, 419, 228-228.	13.7	296
47	Realistic quasi-biennial oscillations in a simulation of the global climate. <i>Geophysical Research Letters</i> , 2000, 27, 3481-3484.	1.5	157
48	The Development of a Free-Surface Bryan-Cox-Semtner Ocean Model. <i>Journal of Physical Oceanography</i> , 1991, 21, 1333-1348.	0.7	316