

Jason A Lowe

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

6,876
citations

186265

28
h-index

289244

40
g-index

42
all docs

42
docs citations

42
times ranked

8429
citing authors

#	ARTICLE	IF	CITATIONS
1	The Scenario Model Intercomparison Project (ScenarioMIP) for CMIP6. <i>Geoscientific Model Development</i> , 2016, 9, 3461-3482.	3.6	2,084
2	Warming caused by cumulative carbon emissions towards the trillionth tonne. <i>Nature</i> , 2009, 458, 1163-1166.	27.8	1,282
3	Sea-level rise and its possible impacts given a "beyond 4°C world"™ in the twenty-first century. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 161-181.	3.4	451
4	Associations between elevated atmospheric temperature and human mortality: a critical review of the literature. <i>Climatic Change</i> , 2009, 92, 299-341.	3.6	340
5	Concepts and Terminology for Sea Level: Mean, Variability and Change, Both Local and Global. <i>Surveys in Geophysics</i> , 2019, 40, 1251-1289.	4.6	262
6	Addressing "deep"™ uncertainty over long-term climate in major infrastructure projects: four innovations of the Thames Estuary 2100 Project. <i>EURO Journal on Decision Processes</i> , 2013, 1, 233-262.	2.7	212
7	Sea-level rise scenarios and coastal risk management. <i>Nature Climate Change</i> , 2015, 5, 188-190.	18.8	159
8	Projections of when temperature change will exceed 2 °C above pre-industrial levels. <i>Nature Climate Change</i> , 2011, 1, 407-412.	18.8	151
9	Sea-level scenarios for evaluating coastal impacts. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2014, 5, 129-150.	8.1	151
10	Potential influences on the United Kingdom's floods of winter 2013/14. <i>Nature Climate Change</i> , 2014, 4, 769-777.	18.8	149
11	Climate change and heat-related mortality in six cities Part 2: climate model evaluation and projected impacts from changes in the mean and variability of temperature with climate change. <i>International Journal of Biometeorology</i> , 2009, 53, 31-51.	3.0	145
12	Benefits of mitigation of climate change for coastal areas. <i>Global Environmental Change</i> , 2004, 14, 229-244.	7.8	142
13	Extreme events due to human-induced climate change. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006, 364, 2117-2133.	3.4	113
14	Meeting User Needs for Sea Level Rise Information: A Decision Analysis Perspective. <i>Earth's Future</i> , 2019, 7, 320-337.	6.3	112
15	The potential impacts of climate change on the hydrography of the northwest European continental shelf. <i>Progress in Oceanography</i> , 2010, 86, 361-379.	3.2	95
16	Equivalence of greenhouse-gas emissions for peak temperature limits. <i>Nature Climate Change</i> , 2012, 2, 535-538.	18.8	89
17	Understanding projections of sea level rise in a Hadley Centre coupled climate model. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	87
18	Sea Level Change and Coastal Climate Services: The Way Forward. <i>Journal of Marine Science and Engineering</i> , 2017, 5, 49.	2.6	81

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19	Stabilization of global temperature at 1.5°C and 2.0°C: implications for coastal areas. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20160448.	3.4	76
20	Spatial variations of sea-level rise and impacts: An application of DIVA. Climatic Change, 2016, 134, 403-416.	3.6	57
21	Uncertainty in climate projections for the 21st century northwest European shelf seas. Progress in Oceanography, 2016, 148, 56-73.	3.2	47
22	Drivers of the UK summer heatwave of 2018. Weather, 2019, 74, 390-396.	0.7	46
23	The benefits of quantifying climate model uncertainty in climate change impacts assessment: an example with heat-related mortality change estimates. Climatic Change, 2012, 112, 217-231.	3.6	43
24	The global and regional impacts of climate change under representative concentration pathway forcings and shared socioeconomic pathway socioeconomic scenarios. Environmental Research Letters, 2019, 14, 084046.	5.2	37
25	Projected sea level rise and changes in extreme storm surge and wave events during the 21st century in the region of Singapore. Ocean Science, 2016, 12, 613-632.	3.4	34
26	Integrating new sea-level scenarios into coastal risk and adaptation assessments: An ongoing process. Wiley Interdisciplinary Reviews: Climate Change, 2021, 12, e706.	8.1	34
27	Future changes to high impact weather in the UK. Climatic Change, 2021, 166, 1.	3.6	33
28	Projected Change in North Sea. Regional Climate Studies, 2016, , 175-217.	1.2	33
29	Large differences in regional precipitation change between a first and second 2°C of global warming. Nature Communications, 2016, 7, 13667.	12.8	31
30	A sea of uncertainty. Nature Climate Change, 2010, 1, 42-43.	18.8	28
31	The impact of Earth system feedbacks on carbon budgets and climate response. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170263.	3.4	26
32	The impacts avoided with a 1.5°C climate target: a global and regional assessment. Climatic Change, 2018, 147, 61-76.	3.6	25
33	Advancing national climate change risk assessment to deliver national adaptation plans. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170295.	3.4	25
34	Validation of an ensemble modelling system for climate projections for the northwest European shelf seas. Progress in Oceanography, 2015, 138, 211-237.	3.2	22
35	Dynamical downscaling of unforced interannual sea-level variability in the North-West European shelf seas. Climate Dynamics, 2020, 55, 2207-2236.	3.8	15
36	The influence of Southern Ocean winds on the North Atlantic carbon sink. Global Biogeochemical Cycles, 2016, 30, 844-858.	4.9	12

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37	Southern Ocean carbon-wind stress feedback. <i>Climate Dynamics</i> , 2018, 51, 2743-2757.	3.8	9
38	Indicators of climate risk in the UK at different levels of warming. <i>Environmental Research Communications</i> , 2021, 3, 095005.	2.3	8
39	Climate Downscaling: Local Mean Sea Level, Surge and Wave Modelling. <i>Advances in Global Change Research</i> , 2015, , 79-102.	1.6	3