

Bryan N Lawrence

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.

33
papers

546
citations

14
h-index

22
g-index

45
ext. papers

664
ext. citations

4.8
avg, IF

3.29
L-index

#	Paper	IF	Citations
33	Citation and Peer Review of Data: Moving Towards Formal Data Publication. <i>International Journal of Digital Curation</i> , 2011 , 6, 4-37	0.9	62
32	High-resolution global climate modelling: the UPSCALE project, a large-simulation campaign. <i>Geoscientific Model Development</i> , 2014 , 7, 1629-1640	6.3	49
31	Towards improved and more routine Earth system model evaluation in CMIP. <i>Earth System Dynamics</i> , 2016 , 7, 813-830	4.8	48
30	Crossing the chasm: how to develop weather and climate models for next generation computers?. <i>Geoscientific Model Development</i> , 2018 , 11, 1799-1821	6.3	33
29	Requirements for a global data infrastructure in support of CMIP6. <i>Geoscientific Model Development</i> , 2018 , 11, 3659-3680	6.3	31
28	CPMIP: measurements of real computational performance of Earth system models in CMIP6. <i>Geoscientific Model Development</i> , 2017 , 10, 19-34	6.3	30
27	Global retrieval of ATSR cloud parameters and evaluation (GRAPE): dataset assessment. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 3913-3936	6.8	30
26	Validation of the GRAPE single view aerosol retrieval for ATSR-2 and insights into the long term global AOD trend over the ocean. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 4849-4866	6.8	29
25	Regional and seasonal variations of the Twomey indirect effect as observed by the ATSR-2 satellite instrument. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	27
24	Community Intercomparison Suite (CIS) v1.4.0: a tool for intercomparing models and observations. <i>Geoscientific Model Development</i> , 2016 , 9, 3093-3110	6.3	21
23	Documenting Climate Models and Their Simulations. <i>Bulletin of the American Meteorological Society</i> , 2013 , 94, 623-627	6.1	17
22	Parameterisation of orographic cloud dynamics in a GCM. <i>Climate Dynamics</i> , 2007 , 28, 581-597	4.2	16
21	The Earth System Grid Federation: Delivering globally accessible petascale data for CMIP5. <i>Proceedings of the Asia-Pacific Advanced Network</i> , 2013 , 32, 121		15
20	Orographic cloud in a GCM: the missing cirrus. <i>Climate Dynamics</i> , 2005 , 24, 771-780	4.2	14
19	The CMIP6 Data Request (DREQ, version 01.00.31). <i>Geoscientific Model Development</i> , 2020 , 13, 201-224	6.3	13
18	Describing Earth system simulations with the Metafor CIM. <i>Geoscientific Model Development</i> , 2012 , 5, 1493-1500	6.3	13
17	Documenting numerical experiments in support of the Coupled Model Intercomparison Project Phase 6 (CMIP6). <i>Geoscientific Model Development</i> , 2020 , 13, 2149-2167	6.3	12

16	A data model of the Climate and Forecast metadata conventions (CF-1.6) with a software implementation (cf-python v2.1). <i>Geoscientific Model Development</i> , 2017 , 10, 4619-4646	6.3	11
15	Development and exploitation of a controlled vocabulary in support of climate modelling. <i>Geoscientific Model Development</i> , 2014 , 7, 479-493	6.3	10
14	A gravity-wave induced quasi-biennial oscillation in a three-dimensional mechanistic model. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2001 , 127, 2005-2021	6.4	10
13	The January 1992 stratospheric sudden warming: A role for tropical inertial instability?. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1999 , 125, 2575-2596	6.4	9
12	Standards-based data interoperability in the climate sciences. <i>Meteorological Applications</i> , 2005 , 12, 9-22.	2.1	8
11	A possible mechanism for in situ forcing of planetary waves in the summer extratropical mesosphere. <i>Geophysical Research Letters</i> , 2001 , 28, 1183-1186	4.9	7
10	Designing and Documenting Experiments in CMIP6 2019 ,		6
9	U.K. Community Earth System Modeling for CMIP6. <i>Journal of Advances in Modeling Earth Systems</i> , 2020 , 12, e2019MS002004	7.1	6
8	A Linked Data Approach to Publishing Complex Scientific Workflows 2011 ,		5
7	. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2009 , 61, 129-143	2	5
6	High-Performance Computing for Climate Modeling. <i>Bulletin of the American Meteorological Society</i> , 2014 , 95, ES97-ES100	6.1	2
5	Data assimilation for re-analyses: potential gains from full use of post-analysis-time observations. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2006 , 58, 171-178	2	2
4	The CMIP6 Data Request (version 01.00.31) 2019 ,		1
3	Crossing the Chasm: How to develop weather and climate models for next generation computers? 2017 ,		1
2	Developing an Open Data Portal for the ESA Climate Change Initiative. <i>Data Science Journal</i> , 2020 , 19,	2	1
1	Gravity waves in Fabry-Berot measurements made at Mt. John (44°S, 170°E), New Zealand. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2002 , 64, 367-376	2	