Bryan N Lawrence

List of Publications by Year in Descending Order

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	Documenting numerical experiments in support of the Coupled Model Intercomparison Project Phase 6 (CMIP6). *Geoscientific Model Development*, **2020**, 13, 2149-2167	6.3	12
32	The CMIP6 Data Request (DREQ, version 01.00.31). *Geoscientific Model Development*, **2020**, 13, 201-224	6.3	13
31	Developing an Open Data Portal for the ESA Climate Change Initiative. *Data Science Journal*, **2020**, 19,	2	1
30	U.K. Community Earth System Modeling for CMIP6. *Journal of Advances in Modeling Earth Systems*, **2020**, 12, e2019MS002004	7.1	6
29	The CMIP6 Data Request (version 01.00.31) **2019**,		1
28	Designing and Documenting Experiments in CMIP6 **2019**,		6
27	Crossing the chasm: how to develop weather and climate models for next generation computers?. *Geoscientific Model Development*, **2018**, 11, 1799-1821	6.3	33
26	Requirements for a global data infrastructure in support of CMIP6. *Geoscientific Model Development*, **2018**, 11, 3659-3680	6.3	31
25	Crossing the Chasm: How to develop weather and climate models for next generation computers? **2017**,		1
24	CPMIP: measurements of real computational performance of Earth system models in CMIP6. *Geoscientific Model Development*, **2017**, 10, 19-34	6.3	30
23	A data model of the Climate and Forecast metadata conventions (CF-1.6) with a software implementation (cf-python v2.1). *Geoscientific Model Development*, **2017**, 10, 4619-4646	6.3	11
22	Community Intercomparison Suite (CIS) v1.4.0: a tool for intercomparing models and observations. *Geoscientific Model Development*, **2016**, 9, 3093-3110	6.3	21
21	Towards improved and more routine Earth system model evaluation in CMIP. *Earth System Dynamics*, **2016**, 7, 813-830	4.8	48
20	High-resolution global climate modelling: the UPSCALE project, a large-simulation campaign. *Geoscientific Model Development*, **2014**, 7, 1629-1640	6.3	49
19	High-Performance Computing for Climate Modeling. *Bulletin of the American Meteorological Society* , **2014**, 95, ES97-ES100	6.1	2
18	Development and exploitation of a controlled vocabulary in support of climate modelling. *Geoscientific Model Development*, **2014**, 7, 479-493	6.3	10
17	Documenting Climate Models and Their Simulations. *Bulletin of the American Meteorological Society* , **2013**, 94, 623-627	6.1	17

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16	The Earth System Grid Federation: Delivering globally accessible petascale data for CMIP5. *Proceedings of the Asia-Pacific Advanced Network*, **2013**, 32, 121		15
15	Describing Earth system simulations with the Metafor CIM. *Geoscientific Model Development*, **2012**, 5, 1493-1500	6.3	13
14	Global retrieval of ATSR cloud parameters and evaluation (GRAPE): dataset assessment. *Atmospheric Chemistry and Physics*, **2011**, 11, 3913-3936	6.8	30
13	A Linked Data Approach to Publishing Complex Scientific Workflows **2011**,		5
12	Citation and Peer Review of Data: Moving Towards Formal Data Publication. *International Journal of Digital Curation*, **2011**, 6, 4-37	0.9	62
11	Validation of the GRAPE single view aerosol retrieval for ATSR-2 and insights into the long term global AOD trend over the ocean. *Atmospheric Chemistry and Physics*, **2010**, 10, 4849-4866	6.8	29
10	. *Tellus, Series A: Dynamic Meteorology and Oceanography*, **2009**, 61, 129-143	2	5
9	Regional and seasonal variations of the Twomey indirect effect as observed by the ATSR-2 satellite instrument. *Geophysical Research Letters*, **2008**, 35,	4.9	27
8	Parameterisation of orographic cloud dynamics in a GCM. *Climate Dynamics*, **2007**, 28, 581-597	4.2	16
7	Data assimilation for re-analyses: potential gains from full use of post-analysis-time observations. *Tellus, Series A: Dynamic Meteorology and Oceanography*, **2006**, 58, 171-178	2	2
6	Orographic cloud in a GCM: the missing cirrus. *Climate Dynamics*, **2005**, 24, 771-780	4.2	14
5	Standards-based data interoperability in the climate sciences. *Meteorological Applications*, **2005**, 12, 9-22	2.1	8
4	Gravity waves in FabryPerot measurements made at Mt. John (44S,170E), New Zealand. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2002**, 64, 367-376	2	
3	A gravity-wave induced quasi-biennial oscillation in a three-dimensional mechanistic model. *Quarterly Journal of the Royal Meteorological Society*, **2001**, 127, 2005-2021	6.4	10
2	A possible mechanism for in situ forcing of planetary waves in the summer extratropical mesosphere. *Geophysical Research Letters*, **2001**, 28, 1183-1186	4.9	7
1	The January 1992 stratospheric sudden warming: A role for tropical inertial instability?. *Quarterly Journal of the Royal Meteorological Society*, **1999**, 125, 2575-2596	6.4	9