

Buwen Dong

List of Publications by Year in Descending Order

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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.

100 papers	5,258 citations	36 h-index	72 g-index
104 ext. papers	5,894 ext. citations	4.8 avg, IF	5.93 L-index

#	Paper	IF	Citations
100	Recent decadal weakening of the summer Eurasian westerly jet attributable to anthropogenic aerosol emissions.. <i>Nature Communications</i> , 2022 , 13, 1148	17.4	2
99	Attribution of April 2020 Exceptional Cold Spell over Northeast China. <i>Bulletin of the American Meteorological Society</i> , 2022 , 103, S61-S67	6.1	1
98	Climatology and physical mechanisms of the tropospheric warm cores over the Tibetan Plateau and its vicinity. <i>Climate Dynamics</i> , 2021 , 57, 953-974	4.2	
97	Recent trends in summer atmospheric circulation in the North Atlantic/European region: is there a role for anthropogenic aerosols?. <i>Journal of Climate</i> , 2021 , 1-49	4.4	0
96	Role of the Atlantic multidecadal variability in modulating East Asian climate. <i>Climate Dynamics</i> , 2021 , 56, 381-398	4.2	5
95	Anthropogenic Influence on 2019 May-June Extremely Low Precipitation in Southwestern China. <i>Bulletin of the American Meteorological Society</i> , 2021 , 102, S97-S102	6.1	7
94	Interdecadal weakening of the cross-equatorial flows over the Maritime Continent during the boreal summer in the mid-1990s: drivers and physical processes. <i>Climate Dynamics</i> , 2021 , 57, 55-72	4.2	0
93	Projected near-term changes in temperature extremes over China in the mid-twenty-first century and underlying physical processes. <i>Climate Dynamics</i> , 2021 , 56, 1879-1894	4.2	3
92	The dynamic and thermodynamic processes dominating the reduction of global land monsoon precipitation driven by anthropogenic aerosols emission. <i>Science China Earth Sciences</i> , 2020 , 63, 919-933	4.6	16
91	Anthropogenic Influence on 2018 Summer Persistent Heavy Rainfall in Central Western China. <i>Bulletin of the American Meteorological Society</i> , 2020 , 101, S65-S70	6.1	7
90	Attribution of 2012 extreme climate events: does air-sea interaction matter?. <i>Climate Dynamics</i> , 2020 , 55, 1225-1245	4.2	1
89	Projected near-term changes of temperature extremes in Europe and China under different aerosol emissions. <i>Environmental Research Letters</i> , 2020 , 15, 034013	6.2	6
88	The effects of anthropogenic greenhouse gases and aerosols on the inter-decadal change of the South China Sea summer monsoon in the late twentieth century. <i>Climate Dynamics</i> , 2020 , 54, 3339-3354	4.2	0
87	Processes shaping the spatial pattern and seasonality of the surface air temperature response to anthropogenic forcing. <i>Climate Dynamics</i> , 2020 , 54, 3959-3975	4.2	4
86	Forced Decadal Changes in Summer Precipitation Characteristics over China: The Roles of Greenhouse Gases and Anthropogenic Aerosols. <i>Journal of Meteorological Research</i> , 2020 , 34, 1226-1241	2.3	0
85	Anthropogenic Influences on 2019 July Precipitation Extremes Over the Mid-Lower Reaches of the Yangtze River. <i>Frontiers in Environmental Science</i> , 2020 , 8,	4.8	3
84	Future evolution of the Sahel precipitation zonal contrast in CESM1. <i>Climate Dynamics</i> , 2020 , 55, 2801-2821	4.1	9

83	Projected near term changes in the East Asian summer monsoon and its uncertainty. <i>Environmental Research Letters</i> , 2019 , 14, 084038	6.2	6
82	Attribution of Recent Trends in Temperature Extremes over China: Role of Changes in Anthropogenic Aerosol Emissions over Asia. <i>Journal of Climate</i> , 2019 , 32, 7539-7560	4.4	13
81	Effect of the Atlantic Multidecadal Variability on the Global Monsoon. <i>Geophysical Research Letters</i> , 2019 , 46, 1765-1775	4.9	26
80	Predicting the seasonal evolution of southern African summer precipitation in the DePreSys3 prediction system. <i>Climate Dynamics</i> , 2019 , 52, 6491-6510	4.2	5
79	Recent Decadal Changes in Heat Waves over China: Drivers and Mechanisms. <i>Journal of Climate</i> , 2019 , 32, 4215-4234	4.4	18
78	Projected near-term changes in three types of heat waves over China under RCP4.5. <i>Climate Dynamics</i> , 2019 , 53, 3751-3769	4.2	8
77	Anthropogenic Warming has Substantially Increased the Likelihood of July 2017-like Heat Waves over Central Eastern China. <i>Bulletin of the American Meteorological Society</i> , 2019 , 100, S91-S95	6.1	11
76	Continental drift, plateau uplift, and the evolutions of monsoon and arid regions in Asia, Africa, and Australia during the Cenozoic. <i>Science China Earth Sciences</i> , 2019 , 62, 1053-1075	4.6	8
75	Contribution of Anthropogenic Climate Change to April-May 2017 Heavy Precipitation over the Uruguay River Basin. <i>Bulletin of the American Meteorological Society</i> , 2019 , 100, S37-S41	6.1	10
74	Anthropogenic impacts on recent decadal change in temperature extremes over China: relative roles of greenhouse gases and anthropogenic aerosols. <i>Climate Dynamics</i> , 2019 , 52, 3643-3660	4.2	18
73	Impacts of recent decadal changes in Asian aerosols on the East Asian summer monsoon: roles of aerosol-radiation and aerosol-cloud interactions. <i>Climate Dynamics</i> , 2019 , 53, 3235-3256	4.2	29
72	Impact of air-sea coupling on Northern Hemisphere summer climate and the monsoon-desert teleconnection. <i>Climate Dynamics</i> , 2019 , 53, 5063-5078	4.2	2
71	Anthropogenically Forced Decadal Change of South Asian Summer Monsoon Across the Mid-1990s. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 806-824	4.4	8
70	Attribution of extreme precipitation in the lower reaches of the Yangtze River during May 2016. <i>Environmental Research Letters</i> , 2018 , 13, 014015	6.2	20
69	Multiple perspectives on the attribution of the extreme European summer of 2012 to climate change. <i>Climate Dynamics</i> , 2018 , 50, 3537-3555	4.2	14
68	Observational evidence of European summer weather patterns predictable from spring. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 59-63	11.5	33
67	Forced decadal changes in the East Asian summer monsoon: the roles of greenhouse gases and anthropogenic aerosols. <i>Climate Dynamics</i> , 2018 , 51, 3699-3715	4.2	29
66	A role of the Atlantic Ocean in predicting summer surface air temperature over North East Asia?. <i>Climate Dynamics</i> , 2018 , 51, 473-491	4.2	26

65	Attributing human influence on the July 2017 Chinese heatwave: the influence of sea-surface temperatures. <i>Environmental Research Letters</i> , 2018 , 13, 114004	6.2	16
64	Influence of Central Siberian Snow-Albedo Feedback on the Spring East Asian Dust Cycle and Connection With the Preceding Winter Arctic Oscillation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 13,368	4.4	2
63	Drivers of the Severity of the Extreme Hot Summer of 2015 in Western China. <i>Journal of Meteorological Research</i> , 2018 , 32, 1002-1010	2.3	2
62	Human Influence on the Record-breaking Cold Event in January of 2016 in Eastern China. <i>Bulletin of the American Meteorological Society</i> , 2018 , 99, S118-S122	6.1	28
61	Understanding the rapid summer warming and changes in temperature extremes since the mid-1990s over Western Europe. <i>Climate Dynamics</i> , 2017 , 48, 1537-1554	4.2	53
60	Continental drift and plateau uplift control origination and evolution of Asian and Australian monsoons. <i>Scientific Reports</i> , 2017 , 7, 40344	4.9	19
59	Attribution of Forced Decadal Climate Change in Coupled and Uncoupled Ocean-Atmosphere Model Experiments. <i>Journal of Climate</i> , 2017 , 30, 6203-6223	4.4	33
58	Intraseasonal variability of winter precipitation over central asia and the western tibetan plateau from 1979 to 2013 and its relationship with the North Atlantic Oscillation. <i>Dynamics of Atmospheres and Oceans</i> , 2017 , 79, 31-42	1.9	9
57	Impact of internal variability on projections of Sahel precipitation change. <i>Environmental Research Letters</i> , 2017 , 12, 114003	6.2	15
56	Preferred response of the East Asian summer monsoon to local and non-local anthropogenic sulphur dioxide emissions. <i>Climate Dynamics</i> , 2016 , 46, 1733-1751	4.2	37
55	Interdecadal changes on the seasonal prediction of the western North Pacific summer climate around the late 1970s and early 1990s. <i>Climate Dynamics</i> , 2016 , 46, 2435-2448	4.2	8
54	Abrupt summer warming and changes in temperature extremes over Northeast Asia since the mid-1990s: Drivers and physical processes. <i>Advances in Atmospheric Sciences</i> , 2016 , 33, 1005-1023	2.9	42
53	Intensified impact of tropical Atlantic SST on the western North Pacific summer climate under a weakened Atlantic thermohaline circulation. <i>Climate Dynamics</i> , 2015 , 45, 2033-2046	4.2	29
52	Impacts of uplift of northern Tibetan Plateau and formation of Asian inland deserts on regional climate and environment. <i>Quaternary Science Reviews</i> , 2015 , 116, 1-14	3.9	62
51	Contrasting interannual and multidecadal NAO variability. <i>Climate Dynamics</i> , 2015 , 45, 539-556	4.2	95
50	The 2014 Hot, Dry Summer in Northeast Asia. <i>Bulletin of the American Meteorological Society</i> , 2015 , 96, S105-S110	6.1	15
49	Dominant role of greenhouse-gas forcing in the recovery of Sahel rainfall. <i>Nature Climate Change</i> , 2015 , 5, 757-760	21.4	158
48	Where were the monsoon regions and arid zones in Asia prior to the Tibetan Plateau uplift?. <i>National Science Review</i> , 2015 , 2, 403-416	10.8	25

47	Intensified anticyclonic anomaly over the western North Pacific during El Niño decaying summer under a weakened Atlantic thermohaline circulation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 13,637-13,650	4.4	16
46	The Impacts of European and Asian Anthropogenic Sulfur Dioxide Emissions on Sahel Rainfall. <i>Journal of Climate</i> , 2014 , 27, 7000-7017	4.4	34
45	The Interpretation and Use of Biases in Decadal Climate Predictions. <i>Journal of Climate</i> , 2014 , 27, 2931-2947	4.4	21
44	Predictability of the western North Pacific summer climate associated with different ENSO phases by ENSEMBLES multi-model seasonal forecasts. <i>Climate Dynamics</i> , 2014 , 43, 1829-1845	4.2	37
43	Revisiting Asymmetry for the Decaying Phases of El Niño and La Niña. <i>Atmospheric and Oceanic Science Letters</i> , 2014 , 7, 275-278	1.4	3
42	Interdecadal enhancement of the walker circulation over the Tropical Pacific in the late 1990s. <i>Advances in Atmospheric Sciences</i> , 2013 , 30, 247-262	2.9	36
41	Influence of the Tibetan Plateau uplift on the Asian monsoon-arid environment evolution. <i>Science Bulletin</i> , 2013 , 58, 4277-4291		72
40	Variability of the North Atlantic summer storm track: mechanisms and impacts on European climate. <i>Environmental Research Letters</i> , 2013 , 8, 034037	6.2	73
39	Revisiting Asian monsoon formation and change associated with Tibetan Plateau forcing: I. Formation. <i>Climate Dynamics</i> , 2012 , 39, 1169-1181	4.2	93
38	Revisiting Asian monsoon formation and change associated with Tibetan Plateau forcing: II. Change. <i>Climate Dynamics</i> , 2012 , 39, 1183-1195	4.2	92
37	Atlantic Ocean influence on a shift in European climate in the 1990s. <i>Nature Geoscience</i> , 2012 , 5, 788-792	8.3	300
36	The relationship between El Niño and the western North Pacific summer climate in a coupled GCM: Role of the transition of El Niño decaying phases. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		39
35	Predictability of the western North Pacific summer climate demonstrated by the coupled models of ENSEMBLES. <i>Climate Dynamics</i> , 2012 , 39, 329-346	4.2	62
34	The Coupled Model Predictability of the Western North Pacific Summer Monsoon with Different Leading Times. <i>Atmospheric and Oceanic Science Letters</i> , 2012 , 5, 219-224	1.4	8
33	Changes of interannual NAO variability in response to greenhouse gases forcing. <i>Climate Dynamics</i> , 2011 , 37, 1621-1641	4.2	39
32	Impact of the Atlantic Ocean on the multidecadal fluctuation of El Niño-Southern Oscillation-South Asian monsoon relationship in a coupled general circulation model. <i>Journal of Geophysical Research</i> , 2010 , 115,		29
31	Understanding Land-Sea Warming Contrast in Response to Increasing Greenhouse Gases. Part I: Transient Adjustment. <i>Journal of Climate</i> , 2009 , 22, 3079-3097	4.4	128
30	How does a weakened Atlantic thermohaline circulation lead to an intensification of the ENSO-south Asian summer monsoon interaction?. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	20

29	Response of the Asian summer monsoon to weakening of Atlantic thermohaline circulation. <i>Advances in Atmospheric Sciences</i> , 2008 , 25, 723-736	2.9	42
28	Land/sea warming ratio in response to climate change: IPCC AR4 model results and comparison with observations. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	279
27	The Influence of a Weakening of the Atlantic Meridional Overturning Circulation on ENSO. <i>Journal of Climate</i> , 2007 , 20, 4899-4919	4.4	251
26	Enhancement of ENSO Variability by a Weakened Atlantic Thermohaline Circulation in a Coupled GCM. <i>Journal of Climate</i> , 2007 , 20, 4920-4939	4.4	95
25	The ENSO-Asian Monsoon Interaction in a Coupled Ocean-Atmosphere GCM. <i>Journal of Climate</i> , 2007 , 20, 5164-5177	4.4	62
24	Decadal to multidecadal variability and the climate change background. <i>Journal of Geophysical Research</i> , 2007 , 112,		219
23	The New Hadley Centre Climate Model (HadGEM1): Evaluation of Coupled Simulations. <i>Journal of Climate</i> , 2006 , 19, 1327-1353	4.4	406
22	Multidecadal modulation of El Niño-Southern Oscillation (ENSO) variance by Atlantic Ocean sea surface temperatures. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	195
21	External and Internal Summer Atmospheric Variability in the Western North Pacific and East Asia. <i>Journal of the Meteorological Society of Japan</i> , 2006 , 84, 447-462	2.8	51
20	Impact of the Atlantic Multidecadal Oscillation on the Asian summer monsoon. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	258
19	Impact of Atlantic sea surface temperature anomalies on the summer climate in the western North Pacific during 1997-1998. <i>Journal of Geophysical Research</i> , 2005 , 110,		32
18	Mechanism of Interdecadal Thermohaline Circulation Variability in a Coupled Ocean-Atmosphere GCM. <i>Journal of Climate</i> , 2005 , 18, 1117-1135	4.4	152
17	Asymmetry between El Niño and La Niña in a Global Coupled GCM with an Eddy-Permitting Ocean Resolution. <i>Journal of Climate</i> , 2005 , 18, 3373-3387	4.4	12
16	The 1997/98 El Niño: A test for climate models. <i>Geophysical Research Letters</i> , 2004 , 31, n/a-n/a	4.9	15
15	Predictability of Winter Climate over the North Atlantic European Region during ENSO Events. <i>Journal of Climate</i> , 2004 , 17, 1953-1974	4.4	77
14	How the simulated change in monsoon at 6 ka BP is related to the simulation of the modern climate: results from the Paleoclimate Modeling Intercomparison Project. <i>Climate Dynamics</i> , 2002 , 19, 107-121	4.2	54
13	Variability in North Atlantic heat content and heat transport in a coupled ocean-atmosphere GCM. <i>Climate Dynamics</i> , 2002 , 19, 485-497	4.2	25
12	Westward Extension of North Pacific Subtropical High in Summer.. <i>Journal of the Meteorological Society of Japan</i> , 2001 , 79, 1229-1241	2.8	135

11	On the position of southern hemisphere westerlies at the Last Glacial Maximum: an outline of AGCM simulation results and evaluation of their implications. <i>Quaternary Science Reviews</i> , 2000 , 19, 881-898	3.9	74
10	Monsoon changes for 6000 years ago: Results of 18 simulations from the Paleoclimate Modeling Intercomparison Project (PMIP). <i>Geophysical Research Letters</i> , 1999 , 26, 859-862	4.9	318
9	Simulations of the Last Glacial Maximum climates using a general circulation model: prescribed versus computed sea surface temperatures. <i>Climate Dynamics</i> , 1998 , 14, 571-591	4.2	69
8	Intercomparison of Simulated Global Vegetation Distributions in Response to 6 kyr BP Orbital Forcing. <i>Journal of Climate</i> , 1998 , 11, 2721-2742	4.4	139
7	The Maintenance of the Last Great Ice Sheets: A UGAMP GCM Study. <i>Journal of Climate</i> , 1996 , 9, 1004-1019	4.1	89
6	Sensitivity Studies of Northern Hemisphere Glaciation Using an Atmospheric General Circulation Model. <i>Journal of Climate</i> , 1995 , 8, 2471-2496	4.4	77
5	Drivers and physical processes of drought events over the State of S� Paulo, Brazil. <i>Climate Dynamics</i> , 1	4.2	3
4	Physical processes of summer extreme rainfall interannual variability in eastern China: Part I: observational analysis. <i>Climate Dynamics</i> , 1	4.2	0
3	Physical processes of summer extreme rainfall interannual variability in Eastern China: Part II: evaluation of CMIP6 models. <i>Climate Dynamics</i> , 1	4.2	1
2	Revisiting Asymmetry for the Decaying Phases of El Nino and La Nina		2
1	Attributing the 2015/2016 Amazon basin drought to anthropogenic influence. <i>Climate Resilience and Sustainability</i> ,		2