Tianjun Zhou

List of Publications by Year in Descending Order

365 papers	17,148 citations	70 h-index	118 g-index
382 ext. papers	20,174 ext. citations	4.5 avg, IF	7.34 L-index

#	Paper	IF	Citations
365	Understanding Differences in Event Attribution Results Arising from Modeling Strategy. *Journal of Meteorological Research*, **2022**, 36, 49-60	2.3	1
364	Maintenance of western North Pacific anomalous anticyclone in boreal summer by wind-induced moist enthalpy advection mechanism. *Journal of Climate*, **2022**, 1-35	4.4	
363	Heavy Rainfall Event in Mid-August 2020 in Southwestern China: Contribution of Anthropogenic Forcings and Atmospheric Circulation. *Bulletin of the American Meteorological Society*, **2022**, 103, S111-S117	6.1	3
362	Understanding and building upon pioneering work of Nobel Prize in Physics 2021 laureates Syukuro Manabe and Klaus Hasselmann: From greenhouse effect to Earth system science and beyond. *Science China Earth Sciences*, **2022**, 65, 589-600	4.6	1
361	Understanding Future Increases in Precipitation Extremes in Global Land Monsoon Regions. *Journal of Climate*, **2022**, 35, 1839-1851	4.4	2
360	East Asian summer monsoon enhanced by COVID-19.. *Climate Dynamics*, **2022**, 1-14	4.2	0
359	Dominant Anomalous Circulation Patterns of Tibetan Plateau Summer Climate Generated by ENSO-Forced and ENSO-Independent Teleconnections. *Journal of Climate*, **2022**, 35, 1679-1694	4.4	0
358	Revealing the Circulation Pattern Most Conducive to Precipitation Extremes in Henan Province of North China. *Geophysical Research Letters*, **2022**, 49,	4.9	2
357	Observationally constrained projection of Afro-Asian monsoon precipitation.. *Nature Communications*, **2022**, 13, 2552	17.4	0
356	A very likely weakening of Pacific Walker Circulation in constrained near-future projections. *Nature Communications*, **2021**, 12, 6502	17.4	5
355	Increasing precipitation variability on daily-to-multiyear time scales in a warmer world. *Science Advances*, **2021**, 7,	14.3	21
354	Moisture Origins and Transport Processes for the 2020 Yangtze River Valley Record-Breaking Mei-yu Rainfall. *Advances in Atmospheric Sciences*, **2021**, 38, 2125	2.9	9
353	Moisture sources and paths associated with warm-season precipitation over the Sichuan Basin in southwestern China: Climatology and interannual variability. *Journal of Hydrology*, **2021**, 603, 127019	6	1
352	Anthropogenic warming of Tibetan Plateau and constrained future projection. *Environmental Research Letters*, **2021**, 16, 044039	6.2	9
351	Human-Induced Rainfall Reduction in Drought-Prone Northern Central Asia. *Geophysical Research Letters*, **2021**, 48, e2020GL092156	4.9	6
350	Potential Influences of Volcanic Eruptions on Future Global Land Monsoon Precipitation Changes. *Earthls Future*, **2021**, 9, e2020EF001803	7.9	3
349	Increasing costs to Chinese railway infrastructure by extreme precipitation in a warmer world. *Transportation Research, Part D: Transport and Environment*, **2021**, 93, 102797	6.4	3

348	The Effect of Modeling Strategies on Assessments of Differential Warming Impacts of 0.5□C. *Earth's Future*, **2021**, 9, e2020EF001640	7.9	3
347	The Tibetan Plateau as the engine for Asian environmental change: the Tibetan Plateau Earth system research into a new era. *Science Bulletin*, **2021**, 66, 1263-1263	10.6	7
346	Impact of Developing ENSO on Tibetan Plateau Summer Rainfall. *Journal of Climate*, **2021**, 34, 3385-3400	4.4	9
345	The source of uncertainty in projecting the anomalous western North Pacific anticyclone during El Niño□□decaying summers. *Journal of Climate*, **2021**, 1-49	4.4	1
344	From unusual suspect to serial killer: Cyanotoxins boosted by climate change may jeopardize megafauna. *Innovation(China)*, **2021**, 2, 100092	17.8	24
343	Human Influence on the Increasing Drought Risk Over Southeast Asian Monsoon Region. *Geophysical Research Letters*, **2021**, 48, e2021GL093777	4.9	4
342	Skillful prediction of summer rainfall in the Tibetan Plateau on multiyear time scales. *Science Advances*, **2021**, 7,	14.3	8
341	Atlantic Multidecadal Oscillation Drives Interdecadal Pacific Variability via Tropical Atmospheric Bridge. *Journal of Climate*, **2021**, 34, 5543-5553	4.4	2
340	Monsoons Climate Change Assessment. *Bulletin of the American Meteorological Society*, **2021**, 102, E1-E19	6.1	40
339	The contrasting effects of thermodynamic and dynamic processes on East Asian summer monsoon precipitation during the Last Glacial Maximum: a data-model comparison. *Climate Dynamics*, **2021**, 56, 1303-1316	4.2	2
338	Interannual Variability of Precipitation Recycle Ratio Over the Tibetan Plateau. *Journal of Geophysical Research D: Atmospheres*, **2021**, 126, e2020JD033733	4.4	5
337	Convection-permitting modelling improves simulated precipitation over the central and eastern Tibetan Plateau. *Quarterly Journal of the Royal Meteorological Society*, **2021**, 147, 341-362	6.4	24
336	The Asian Subtropical Westerly Jet Stream in CRA-40, ERA5, and CFSR Reanalysis Data: Comparative Assessment. *Journal of Meteorological Research*, **2021**, 35, 46-63	2.3	6
335	Contributions of Local and Remote Atmospheric Moisture Fluxes to East China Precipitation Estimated from CRA-40 Reanalysis. *Journal of Meteorological Research*, **2021**, 35, 32-45	2.3	3
334	Added Value of a Convection Permitting Model in Simulating Atmospheric Water Cycle Over the Asian Water Tower. *Journal of Geophysical Research D: Atmospheres*, **2021**, 126, e2021JD034788	4.4	5
333	The U.K.□China Climate Science to Service Partnership. *Bulletin of the American Meteorological Society*, **2021**, 102, E1563-E1578	6.1	1
332	Dependence of global monsoon response to volcanic eruptions on the background oceanic states. *Journal of Climate*, **2021**, 1-53	4.4	0
331	Enhanced Turbulent Heat Fluxes Improve Meiyu-Baiu Simulation in High-Resolution Atmospheric Models. *Journal of Advances in Modeling Earth Systems*, **2021**, 13, e2020MS002430	7.1	0

330	Anthropogenic influence on extreme Meiyu rainfall in 2020 and its future risk. *Science China Earth Sciences*, **2021**, 64, 1633	4.6	1
329	Changes in Rainfall Erosivity over mainland China under Stabilized 1.5? and 2? Warming Futures. *Journal of Hydrology*, **2021**, 603, 126996	6	3
328	Central Asian Precipitation Shaped by the Tropical Pacific Decadal Variability and the Atlantic Multidecadal Variability. *Journal of Climate*, **2021**, 34, 7541-7553	4.4	2
327	Attribution of the record-breaking heat event over Northeast Asia in summer 2018: the role of circulation. *Environmental Research Letters*, **2020**, 15, 054018	6.2	20
326	Interannual variability of the summer wind energy over China: A comparison of multiple datasets. *Wind Energy*, **2020**, 23, 1726-1738	3.4	1
325	The Flexible Global Ocean-Atmosphere-Land System Model Grid-Point Version 3 (FGOALS-g3): Description and Evaluation. *Journal of Advances in Modeling Earth Systems*, **2020**, 12, e2019MS002012	7.1	48
324	The dynamic and thermodynamic processes dominating the reduction of global land monsoon precipitation driven by anthropogenic aerosols emission. *Science China Earth Sciences*, **2020**, 63, 919-933	4.6	16
323	Global Land Monsoon Precipitation Changes in CMIP6 Projections. *Geophysical Research Letters*, **2020**, 47, e2019GL086902	4.9	37
322	Emergent constraints on future projections of the western North Pacific Subtropical High. *Nature Communications*, **2020**, 11, 2802	17.4	19
321	Amplification of synoptic to annual variability of West African summer monsoon rainfall under global warming. *Npj Climate and Atmospheric Science*, **2020**, 3,	8	8
320	The effects of cloud□erosol interaction complexity on simulations of presummer rainfall over southern China. *Atmospheric Chemistry and Physics*, **2020**, 20, 5093-5110	6.8	9
319	A Review of Research on Tropical Air-Sea Interaction, ENSO Dynamics, and ENSO Prediction in China. *Journal of Meteorological Research*, **2020**, 34, 43-62	2.3	15
318	Future changes in precipitation over Central Asia based on CMIP6 projections. *Environmental Research Letters*, **2020**, 15, 054009	6.2	46
317	South Asian summer monsoon projections constrained by the interdecadal Pacific oscillation. *Science Advances*, **2020**, 6, eaay6546	14.3	23
316	Development of Climate and Earth System Models in China: Past Achievements and New CMIP6 Results. *Journal of Meteorological Research*, **2020**, 34, 1-19	2.3	25
315	Amplified tropical Pacific rainfall variability related to background SST warming. *Climate Dynamics*, **2020**, 54, 2387-2402	4.2	5
314	The Late Spring Drought of 2018 in South China. *Bulletin of the American Meteorological Society*, **2020**, 101, S59-S64	6.1	14
313	Natural drivers of multidecadal Arctic sea ice variability over the last millennium. *Scientific Reports*, **2020**, 10, 688	4.9	6

312	Consistency of extreme temperature changes in China under a historical half-degree warming increment across different reanalysis and observational datasets. *Climate Dynamics*, **2020**, 54, 2465-2479	4.2	8
311	Intermodel Uncertainty in the Projection of the Anomalous Western North Pacific Anticyclone Associated With El Niño Under Global Warming. *Geophysical Research Letters*, **2020**, 47, e2019GL086139	4.9	6
310	Cloud Characteristics and Radiation Forcing in the Global Land Monsoon Region From Multisource Satellite Data Sets. *Earth and Space Science*, **2020**, 7, e2019EA001027	3.1	3
309	Improved ENSO Prediction Skill Resulting From Reduced Climate Drift in IAP-DecPreS: A Comparison of Full-Field and Anomaly Initializations. *Journal of Advances in Modeling Earth Systems*, **2020**, 12, e2019MS001759	7.1	2
308	The Role of Tropical Mean-State Biases in Modeled Winter Northern Hemisphere El Niño Teleconnections. *Journal of Climate*, **2020**, 33, 4751-4768	4.4	6
307	Moisture Sources Associated with Precipitation during Dry and Wet Seasons over Central Asia. *Journal of Climate*, **2020**, 33, 10755-10771	4.4	11
306	Mesoscale Convective System Precipitation Characteristics over East Asia. Part I: Regional Differences and Seasonal Variations. *Journal of Climate*, **2020**, 33, 9271-9286	4.4	7
305	Tracking Moisture Sources of Precipitation over Central Asia: A Study Based on the Water-Source-Tagging Method. *Journal of Climate*, **2020**, 33, 10339-10355	4.4	8
304	Changes in Extreme Precipitation Accumulations during the Warm Season over Continental China. *Journal of Climate*, **2020**, 33, 10799-10811	4.4	11
303	Attribution Of The 2018 OctoberDecember Drought Over South Southern Africa. *Bulletin of the American Meteorological Society*, **2020**, 101, S135-S140	6.1	3
302	Observationally constrained projection of the reduced intensification of extreme climate events in Central Asia from 0.5 °C less global warming. *Climate Dynamics*, **2020**, 54, 543-560	4.2	19
301	Eastward shift and extension of ENSO-induced tropical precipitation anomalies under global warming. *Science Advances*, **2020**, 6, eaax4177	14.3	17
300	CAS FGOALS-f3-L Model Datasets for CMIP6 GMMIP Tier-1 and Tier-3 Experiments. *Advances in Atmospheric Sciences*, **2020**, 37, 18-28	2.9	14
299	Increasing impacts from extreme precipitation on population over China with global warming. *Science Bulletin*, **2020**, 65, 243-252	10.6	41
298	Responses of Cloud-Radiative Forcing to Strong El Niño Events over the Western Pacific Warm Pool as Simulated by CAMS-CSM. *Journal of Meteorological Research*, **2020**, 34, 499-514	2.3	2
297	Introduction to the Regional Coupled Model WRF4-LICOM: Performance and Model Intercomparison over the Western North Pacific. *Advances in Atmospheric Sciences*, **2020**, 37, 800-816	2.9	3
296	The Sources of Uncertainty in the Projection of Global Land Monsoon Precipitation. *Geophysical Research Letters*, **2020**, 47, e2020GL088415	4.9	17
295	Projected Changes in the Annual Range of Precipitation Under Stabilized 1.5°C and 2.0°C Warming Futures. *Earthls Future*, **2020**, 8, e2019EF001435	7.9	6

294	Preface to Special Issue on CMIP6 Experiments: Model and Dataset Descriptions. *Advances in Atmospheric Sciences*, **2020**, 37, 1033-1033	2.9	2
293	The diurnal cycle of East Asian summer monsoon precipitation simulated by the Met Office Unified Model at convection-permitting scales. *Climate Dynamics*, **2020**, 55, 131-151	4.2	45
292	Asian water tower evinced in total column water vapor: a comparison among multiple satellite and reanalysis data sets. *Climate Dynamics*, **2020**, 54, 231-245	4.2	16
291	The Recent Decline and Recovery of Indian Summer Monsoon Rainfall: Relative Roles of External Forcing and Internal Variability. *Journal of Climate*, **2020**, 33, 5035-5060	4.4	27
290	Global Monsoon Responses to Decadal Sea Surface Temperature Variations during the Twentieth Century: Evidence from AGCM Simulations. *Journal of Climate*, **2019**, 32, 7675-7695	4.4	5
289	A comparison of full-field and anomaly initialization for seasonal prediction of Indian Ocean basin mode. *Climate Dynamics*, **2019**, 53, 6089-6104	4.2	5
288	Potential Predictability of North China Summer Drought. *Journal of Climate*, **2019**, 32, 7247-7264	4.4	5
287	Significant Increases in Extreme Precipitation and the Associations with Global Warming over the Global Land Monsoon Regions. *Journal of Climate*, **2019**, 32, 8465-8488	4.4	29
286	Northern Hemisphere land monsoon precipitation changes in the twentieth century revealed by multiple reanalysis datasets. *Climate Dynamics*, **2019**, 53, 7131-7149	4.2	6
285	Drylands climate response to transient and stabilized 2 °C and 1.5 °C global warming targets. *Climate Dynamics*, **2019**, 53, 2375-2389	4.2	21
284	Evaluation of Satellite and Reanalysis Precipitable Water Vapor Data Sets Against Radiosonde Observations in Central Asia. *Earth and Space Science*, **2019**, 6, 1129-1148	3.1	20
283	Performance of a high resolution regional ocean–atmosphere coupled model over western North Pacific region: sensitivity to cumulus parameterizations. *Climate Dynamics*, **2019**, 53, 4611-4627	4.2	4
282	Hydroclimate Responses over Global Monsoon Regions Following Volcanic Eruptions at Different Latitudes. *Journal of Climate*, **2019**, 32, 4367-4385	4.4	16
281	Climate Sensitivity and Feedbacks of a New Coupled Model CAMS-CSM to Idealized CO2 Forcing: A Comparison with CMIP5 Models. *Journal of Meteorological Research*, **2019**, 33, 31-45	2.3	10
280	Enhanced Latent Heating over the Tibetan Plateau as a Key to the Enhanced East Asian Summer Monsoon Circulation under a Warming Climate. *Journal of Climate*, **2019**, 32, 3373-3388	4.4	33
279	High-Temperature Extreme Events Over Africa Under 1.5 and 2 °C of Global Warming. *Journal of Geophysical Research D: Atmospheres*, **2019**, 124, 4413-4428	4.4	22
278	A Cloud Top Radiative Cooling Model Coupled With CLUBB in the Community Atmosphere Model: Description and Simulation of Low Clouds. *Journal of Advances in Modeling Earth Systems*, **2019**, 11, 979-997	7.1	5
277	Interdecadal Indian Ocean Basin Mode Driven by Interdecadal Pacific Oscillation: A Season-Dependent Growth Mechanism. *Journal of Climate*, **2019**, 32, 2057-2073	4.4	5

276	Improved decadal prediction of Northern-Hemisphere summer land temperature. *Climate Dynamics* , **2019**, 53, 1357-1369	4.2	14
275	Decadal Variations in the Relationship between the Western Pacific Subtropical High and Summer Heat Waves in East China. *Journal of Climate*, **2019**, 32, 1627-1640	4.4	26
274	Detecting human influence on the temperature changes in Central Asia. *Climate Dynamics*, **2019**, 53, 4553-4568	4.2	14
273	Are the Observed Changes in Heat Extremes Associated With a Half-Degree Warming Increment Analogues for Future Projections?. *Earthls Future*, **2019**, 7, 978-992	7.9	10
272	The impact of horizontal atmospheric resolution in modelling air–sea heat fluxes. *Quarterly Journal of the Royal Meteorological Society*, **2019**, 145, 3271-3283	6.4	5
271	Prediction of heavy precipitation in the eastern China flooding events of 2016: Added value of convection-permitting simulations. *Quarterly Journal of the Royal Meteorological Society*, **2019**, 145, 3300-3319	6.4	19
270	Future Intensification of the Water Cycle with an Enhanced Annual Cycle over Global Land Monsoon Regions. *Journal of Climate*, **2019**, 32, 5437-5452	4.4	30
269	A new era of China-Germany joint research exploring the climate mystery of Earth. *Science Bulletin*, **2019**, 64, 1733-1736	10.6	1
268	Extreme precipitation over East Asia under 1.5 °C and 2 °C global warming targets: a comparison of stabilized and overshoot projections. *Environmental Research Communications*, **2019**, 1, 085002	3.1	10
267	Wetter Global Arid Regions Driven by Volcanic Eruptions. *Journal of Geophysical Research D: Atmospheres*, **2019**, 124, 13648-13662	4.4	7
266	Convectively Coupled Equatorial Waves Simulated by CAMS-CSM. *Journal of Meteorological Research*, **2019**, 33, 949-959	2.3	4
265	Frontier issues on climate change science for supporting Future Earth. *Chinese Science Bulletin*, **2019**, 64, 1967-1974	2.9	5
264	Can CMIP5 Earth System Models Reproduce the Interannual Variability of Air–Sea CO2 Fluxes over the Tropical Pacific Ocean?. *Journal of Climate*, **2019**, 32, 2261-2275	4.4	6
263	Evaluation of Near-Surface Wind Speed Changes during 1979 to 2011 over China Based on Five Reanalysis Datasets. *Atmosphere*, **2019**, 10, 804	2.7	9
262	Regional meridional cells governing the interannual variability of the Hadley circulation in boreal winter. *Climate Dynamics*, **2019**, 52, 831-853	4.2	10
261	Weakened Anomalous Western North Pacific Anticyclone during an El Niño Decaying Summer under a Warmer Climate: Dominant Role of the Weakened Impact of the Tropical Indian Ocean on the Atmosphere. *Journal of Climate*, **2019**, 32, 213-230	4.4	19
260	How does El Niño-Southern Oscillation modulate the interannual variability of winter haze days over eastern China?. *Science of the Total Environment*, **2019**, 651, 1892-1902	10.2	36
259	Record-breaking climate extremes in Africa under stabilized 1.5 °C and 2 °C global warming scenarios. *Nature Climate Change*, **2018**, 8, 375-380	21.4	86

258	ENSO Transition from La Niña to El Niño Drives Prolonged Spring–Summer Drought over North China. *Journal of Climate*, **2018**, 31, 3509-3523	4.4	27
257	Extreme High-Temperature Events Over East Asia in 1.5°C and 2°C Warmer Futures: Analysis of NCAR CESM Low-Warming Experiments. *Geophysical Research Letters*, **2018**, 45, 1541-1550	4.9	78
256	When and how will the Millennium Silk Road witness 1.5 °C and 2 °C warmer worlds?. *Atmospheric and Oceanic Science Letters*, **2018**, 11, 180-188	1.4	16
255	EnOI-IAU Initialization Scheme Designed for Decadal Climate Prediction System IAP-DecPreS. *Journal of Advances in Modeling Earth Systems*, **2018**, 10, 342-356	7.1	9
254	Impact of 1.5 °C and 2.0 °C global warming on aircraft takeoff performance in China. *Science Bulletin* , **2018**, 63, 700-707	10.6	27
253	Using eddy geopotential height to measure the western North Pacific subtropical high in a warming climate. *Theoretical and Applied Climatology*, **2018**, 131, 681-691	3	32
252	Regional air–sea coupled model simulation for two types of extreme heat in North China. *Climate Dynamics*, **2018**, 50, 2107-2120	4.2	6
251	Water vapor transport for spring persistent rains over southeastern China based on five reanalysis datasets. *Climate Dynamics*, **2018**, 51, 4243-4257	4.2	17
250	Potential Underestimation of Future Mei-Yu Rainfall with Coarse-Resolution Climate Models. *Journal of Climate*, **2018**, 31, 6711-6727	4.4	9
249	Human Contribution to the Increasing Summer Precipitation in Central Asia from 1961 to 2013. *Journal of Climate*, **2018**, 31, 8005-8021	4.4	34
248	SST biases over the Northwest Pacific and possible causes in CMIP5 models. *Science China Earth Sciences*, **2018**, 61, 792-803	4.6	9
247	Reduced exposure to extreme precipitation from 0.5 °C less warming in global land monsoon regions. *Nature Communications*, **2018**, 9, 3153	17.4	83
246	Effect of Horizontal Resolution on the Representation of the Global Monsoon Annual Cycle in AGCMs. *Advances in Atmospheric Sciences*, **2018**, 35, 1003-1020	2.9	7
245	Preface to Special Issue on Climate Science for Service Partnership China. *Advances in Atmospheric Sciences*, **2018**, 35, 897-898	2.9	5
244	Relative contributions of external SST forcing and internal atmospheric variability to July–August heat waves over the Yangtze River valley. *Climate Dynamics*, **2018**, 51, 4403-4419	4.2	23
243	Low-Cloud Feedback in CAM5-CLUBB: Physical Mechanisms and Parameter Sensitivity Analysis. *Journal of Advances in Modeling Earth Systems*, **2018**, 10, 2844-2864	7.1	10
242	Quantifying East Asian Summer Monsoon Dynamics in the ECP4.5 Scenario With Reference to the Mid-Piacenzian Warm Period. *Geophysical Research Letters*, **2018**, 45, 12,523-12,533	4.9	9
241	The CAMS Climate System Model and a Basic Evaluation of Its Climatology and Climate Variability Simulation. *Journal of Meteorological Research*, **2018**, 32, 839-861	2.3	34

240	Cloud Microphysical Factors Affecting Simulations of Deep Convection During the Presummer Rainy Season in Southern China. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 10,477	4.4	16
239	The Response of Subtropical Highs to Climate Change. *Current Climate Change Reports*, **2018**, 4, 371-382	9	29
238	Extreme Climate Event Changes in China in the 1.5 and 2 °C Warmer Climates: Results From Statistical and Dynamical Downscaling. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 10,215	4.4	22
237	The FGOALS climate system model as a modeling tool for supporting climate sciences: An overview. *Earth and Planetary Physics*, **2018**, 2, 276-291	1.6	13
236	Different Impacts of Northern, Tropical, and Southern Volcanic Eruptions on the Tropical Pacific SST in the Last Millennium. *Journal of Climate*, **2018**, 31, 6729-6744	4.4	22
235	The PMIP4 contribution to CMIP6 – Part 1: Overview and over-arching analysis plan. *Geoscientific Model Development*, **2018**, 11, 1033-1057	6.3	106
234	Polarized Response of East Asian Winter Temperature Extremes in the Era of Arctic Warming. *Journal of Climate*, **2018**, 31, 5543-5557	4.4	30
233	Interannual variability of Eastern China Summer Rainfall: the origins of the meridional triple and dipole modes. *Climate Dynamics*, **2017**, 48, 683-696	4.2	25
232	Atmospheric footprint of the recent warming slowdown. *Scientific Reports*, **2017**, 7, 40947	4.9	9
231	Detectable Anthropogenic Shift toward Heavy Precipitation over Eastern China. *Journal of Climate*, **2017**, 30, 1381-1396	4.4	52
230	Increased Chances of Drought in Southeastern Periphery of the Tibetan Plateau Induced by Anthropogenic Warming. *Journal of Climate*, **2017**, 30, 6543-6560	4.4	29
229	Attribution of the July–August 2013 heat event in Central and Eastern China to anthropogenic greenhouse gas emissions. *Environmental Research Letters*, **2017**, 12, 054020	6.2	39
228	Dynamical downscaling of East Asian winter monsoon changes with a regional ocean–atmosphere coupled model. *Quarterly Journal of the Royal Meteorological Society*, **2017**, 143, 2245-2259	6.4	14
227	Responses of the Summertime Subtropical Anticyclones to Global Warming. *Journal of Climate*, **2017**, 30, 6465-6479	4.4	53
226	Development of a regional ocean–atmosphere-wave coupled model and its preliminary evaluation over the CORDEX East Asia domain. *International Journal of Climatology*, **2017**, 37, 4478-4485	3.5	1
225	Why was the arid and semiarid northwest China getting wetter in the recent decades?. *Journal of Geophysical Research D: Atmospheres*, **2017**, 122, 9060-9075	4.4	99
224	Changes of extreme precipitation and nonlinear influence of climate variables over monsoon region in China. *Atmospheric Research*, **2017**, 197, 379-389	5.4	75
223	Atmospheric Dynamic and Thermodynamic Processes Driving the Western North Pacific Anomalous Anticyclone during El Niño. Part I: Maintenance Mechanisms. *Journal of Climate*, **2017**, 30, 9621-9635	4.4	75

222	Atmospheric Dynamic and Thermodynamic Processes Driving the Western North Pacific Anomalous Anticyclone during El Niño. Part II: Formation Processes. *Journal of Climate*, **2017**, 30, 9637-9650	4.4	58
221	Improved Performance of High-Resolution Atmospheric Models in Simulating the East Asian Summer Monsoon Rain Belt. *Journal of Climate*, **2017**, 30, 8825-8840	4.4	35
220	Seasonally evolving dominant interannual variability mode of air-sea CO2 flux over the western North Pacific simulated by CESM1-BGC. *Science China Earth Sciences*, **2017**, 60, 1854-1865	4.6	1
219	The asymmetric effects of El Niño and La Niña on the East Asian winter monsoon and their simulation by CMIP5 atmospheric models. *Journal of Meteorological Research*, **2017**, 31, 82-93	2.3	9
218	Preface to special issue in commemoration of Shaowu Wang. *Journal of Meteorological Research*, **2017**, 31, 1-2	2.3	1
217	Comparisons of Time Series of Annual Mean Surface Air Temperature for China since the 1900s: Observations, Model Simulations, and Extended Reanalysis. *Bulletin of the American Meteorological Society*, **2017**, 98, 699-711	6.1	40
216	Theories on formation of an anomalous anticyclone in western North Pacific during El Niño: A review. *Journal of Meteorological Research*, **2017**, 31, 987-1006	2.3	151
215	Aerosol forcing of extreme summer drought over North China. *Environmental Research Letters*, **2017**, 12, 034020	6.2	24
214	A Robustness Analysis of CMIP5 Models over the East Asia-Western North Pacific Domain. *Engineering*, **2017**, 3, 773-778	9.7	10
213	Decadal Change of East Asian Summer Monsoon: Contributions of Internal Variability and External Forcing. *World Scientific Series on Asia-Pacific Weather and Climate*, **2017**, 327-336		4
212	Wetting and greening Tibetan Plateau in early summer in recent decades. *Journal of Geophysical Research D: Atmospheres*, **2017**, 122, 5808-5822	4.4	53
211	Future summer precipitation changes over CORDEX-East Asia domain downscaled by a regional ocean-atmosphere coupled model: A comparison to the stand-alone RCM. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 2691-2704	4.4	32
210	Uncertainty in crossing time of 2°C warming threshold over China. *Science Bulletin*, **2016**, 61, 1451-1459	10.6	22
209	The Footprint of the Inter-decadal Pacific Oscillation in Indian Ocean Sea Surface Temperatures. *Scientific Reports*, **2016**, 6, 21251	4.9	46
208	Interdecadal circumglobal teleconnection pattern during boreal summer. *Atmospheric Science Letters*, **2016**, 17, 446-452	2.4	36
207	Drivers and mechanisms for enhanced summer monsoon precipitation over East Asia during the mid-Pliocene in the IPSL-CM5A. *Climate Dynamics*, **2016**, 46, 1437-1457	4.2	17
206	A regional ocean–atmosphere coupled model developed for CORDEX East Asia: assessment of Asian summer monsoon simulation. *Climate Dynamics*, **2016**, 47, 3627-3640	4.2	19
205	Relationships between ENSO and the East Asian–western North Pacific monsoon: observations versus 18 CMIP5 models. *Climate Dynamics*, **2016**, 46, 729-743	4.2	19

204	Overview of the Chinese National Key Basic Research Project Entitled Development and Evaluation of High-Resolution Climate System Models **2016**, 1-48		
203	Robust Strengthening and Westward Shift of the Tropical Pacific Walker Circulation during 1979–2012: A Comparison of 7 Sets of Reanalysis Data and 26 CMIP5 Models. *Journal of Climate*, **2016**, 29, 3097-3118	4.4	64
202	Improved simulation of the East Asian winter monsoon interannual variation by IAP/LASG AGCMs. *Atmospheric and Oceanic Science Letters*, **2016**, 9, 204-210	1.4	4
201	Impacts of the Pacific–Japan and Circumglobal Teleconnection Patterns on the Interdecadal Variability of the East Asian Summer Monsoon. *Journal of Climate*, **2016**, 29, 3253-3271	4.4	52
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