Tianjun Zhou

List of Publications by Citations

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	Changes in Climate Extremes and their Impacts on the Natural Physical Environment109-230		709
364	The Asian summer monsoon: an intercomparison of CMIP5 vs. CMIP3 simulations of the late 20th century. *Climate Dynamics*, **2013**, 41, 2711-2744	4.2	559
363	Atmospheric water vapor transport associated with typical anomalous summer rainfall patterns in China. *Journal of Geophysical Research*, **2005**, 110,		438
362	Why the Western Pacific Subtropical High Has Extended Westward since the Late 1970s. *Journal of Climate*, **2009**, 22, 2199-2215	4.4	369
361	Tropospheric cooling and summer monsoon weakening trend over East Asia. *Geophysical Research Letters*, **2004**, 31,	4.9	322
360	Detecting and understanding the multi-decadal variability of the East Asian Summer Monsoon Recent progress and state of affairs. *Meteorologische Zeitschrift*, **2009**, 18, 455-467	3.1	319
359	Seasonally Evolving Dominant Interannual Variability Modes of East Asian Climate*. *Journal of Climate*, **2009**, 22, 2992-3005	4.4	307
358	Advance and prospectus of seasonal prediction: assessment of the APCC/CliPAS 14-model ensemble retrospective seasonal prediction (1980–2004). *Climate Dynamics*, **2009**, 33, 93-117	4.2	302
357	Relative Contributions of the Indian Ocean and Local SST Anomalies to the Maintenance of the Western North Pacific Anomalous Anticyclone during the El Niño Decaying Summer*. *Journal of Climate*, **2010**, 23, 2974-2986	4.4	296
356	Responses of East Asian summer monsoon to historical SST and atmospheric forcing during 1950–2000. *Climate Dynamics*, **2010**, 34, 501-514	4.2	296
355	Summer Precipitation Frequency, Intensity, and Diurnal Cycle over China: A Comparison of Satellite Data with Rain Gauge Observations. *Journal of Climate*, **2008**, 21, 3997-4010	4.4	264
354	Monsoons in a changing world: A regional perspective in a global context. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 3053-3065	4.4	257
353	Twentieth-Century Surface Air Temperature over China and the Globe Simulated by Coupled Climate Models. *Journal of Climate*, **2006**, 19, 5843-5858	4.4	250
352	Seasonality and Three-Dimensional Structure of Interdecadal Change in the East Asian Monsoon. *Journal of Climate*, **2007**, 20, 5344-5355	4.4	219
351	Diurnal variations of summer precipitation over contiguous China. *Geophysical Research Letters*, **2007**, 34,	4.9	217
350	The flexible global ocean-atmosphere-land system model, Grid-point Version 2: FGOALS-g2. *Advances in Atmospheric Sciences*, **2013**, 30, 543-560	2.9	212
349	Drought over East Asia: A Review. *Journal of Climate*, **2015**, 28, 3375-3399	4.4	201

348	Multidecadal Variability of North China Aridity and Its Relationship to PDO during 1900–2010. *Journal of Climate*, **2014**, 27, 1210-1222	4.4	201
347	Interdecadal Changes in the Major Modes of Asian–Australian Monsoon Variability: Strengthening Relationship with ENSO since the Late 1970s*. *Journal of Climate*, **2008**, 21, 1771-1789	4.4	201
346	Responses of East Asian summer monsoon to natural and anthropogenic forcings in the 17 latest CMIP5 models. *Geophysical Research Letters*, **2014**, 41, 596-603	4.9	200
345	Explaining Extreme Events of 2012 from a Climate Perspective. *Bulletin of the American Meteorological Society*, **2013**, 94, S1-S74	6.1	198
344	Another Look at Interannual-to-Interdecadal Variations of the East Asian Winter Monsoon: The Northern and Southern Temperature Modes. *Journal of Climate*, **2010**, 23, 1495-1512	4.4	197
343	The Flexible Global Ocean-Atmosphere-Land system model, Spectral Version 2: FGOALS-s2. *Advances in Atmospheric Sciences*, **2013**, 30, 561-576	2.9	186
342	Ocean Forcing to Changes in Global Monsoon Precipitation over the Recent Half-Century. *Journal of Climate*, **2008**, 21, 3833-3852	4.4	186
341	Drought in Late Spring of South China in Recent Decades. *Journal of Climate*, **2006**, 19, 3197-3206	4.4	174
340	How Well Do Atmospheric General Circulation Models Capture the Leading Modes of the Interannual Variability of the Asian–Australian Monsoon?. *Journal of Climate*, **2009**, 22, 1159-1173	4.4	172
339	Relation between rainfall duration and diurnal variation in the warm season precipitation over central eastern China. *Geophysical Research Letters*, **2007**, 34, n/a-n/a	4.9	160
338	Interannual Variability of East Asian Summer Monsoon Simulated by CMIP3 and CMIP5 AGCMs: Skill Dependence on Indian Ocean–Western Pacific Anticyclone Teleconnection. *Journal of Climate*, **2014**, 27, 1679-1697	4.4	152
337	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
336	Water vapor transport for summer precipitation over the Tibetan Plateau: Multidata set analysis. *Journal of Geophysical Research*, **2012**, 117,		148
335	Simulation of the east asian summer monsoon using a variable resolution atmospheric GCM. *Climate Dynamics*, **2002**, 19, 167-180	4.2	140
334	Seasonal evolution of the upper-tropospheric westerly jet core over East Asia. *Geophysical Research Letters*, **2006**, 33,	4.9	128
333	The Climatology and Interannual Variability of East Asian Summer Monsoon in CMIP5 Coupled Models: Does Air–Sea Coupling Improve the Simulations?. *Journal of Climate*, **2014**, 27, 8761-8777	4.4	126
332	Interdecadal variability of the relationship between the East Asian winter monsoon and ENSO. *Meteorology and Atmospheric Physics*, **2007**, 98, 283-293	2	124
331	Evaluation of Global Monsoon Precipitation Changes based on Five Reanalysis Datasets. *Journal of Climate*, **2014**, 27, 1271-1289	4.4	120

330	Precursor Signals and Processes Associated with MJO Initiation over the Tropical Indian Ocean*. *Journal of Climate*, **2013**, 26, 291-307	4.4	119
329	Simulated variability of the Atlantic meridional overturning circulation. *Climate Dynamics*, **2004**, 22, 701-720	4.2	119
328	Global Meteorological Drought: A Synthesis of Current Understanding with a Focus on SST Drivers of Precipitation Deficits. *Journal of Climate*, **2016**, 29, 3989-4019	4.4	118
327	Observed Changes in the Distributions of Daily Precipitation Frequency and Amount over China from 1960 to 2013. *Journal of Climate*, **2015**, 28, 6960-6978	4.4	115
326	Climate Effects of the Deep Continental Stratus Clouds Generated by the Tibetan Plateau. *Journal of Climate*, **2004**, 17, 2702-2713	4.4	115
325	Advances in studying interactions between aerosols and monsoon in China. *Science China Earth Sciences*, **2016**, 59, 1-16	4.6	113
324	Spring Arctic Oscillation-East Asian summer monsoon connection through circulation changes over the western North Pacific. *Climate Dynamics*, **2011**, 37, 2199-2216	4.2	112
323	Asymmetry of Atmospheric Circulation Anomalies over the Western North Pacific between El Niño and La Niña*. *Journal of Climate*, **2010**, 23, 4807-4822	4.4	112
322	Changes in global land monsoon area and total rainfall accumulation over the last half century. *Geophysical Research Letters*, **2008**, 35,	4.9	109
321	The PMIP4 contribution to CMIP6 – Part 1: Overview and over-arching analysis plan. *Geoscientific Model Development*, **2018**, 11, 1033-1057	6.3	106
320	Performance of the New NCAR CAM3.5 in East Asian Summer Monsoon Simulations: Sensitivity to Modifications of the Convection Scheme. *Journal of Climate*, **2010**, 23, 3657-3675	4.4	105
319	Distinct Principal Modes of Early and Late Summer Rainfall Anomalies in East Asia*. *Journal of Climate*, **2009**, 22, 3864-3875	4.4	103
318	The CLIVAR C20C project: which components of the Asian–Australian monsoon circulation variations are forced and reproducible?. *Climate Dynamics*, **2009**, 33, 1051-1068	4.2	101
317	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
316	Why Nocturnal Long-Duration Rainfall Presents an Eastward-Delayed Diurnal Phase of Rainfall down the Yangtze River Valley. *Journal of Climate*, **2010**, 23, 905-917	4.4	97
315	Contrast of Rainfall–SST Relationships in the Western North Pacific between the ENSO-Developing and ENSO-Decaying Summers*. *Journal of Climate*, **2009**, 22, 4398-4405	4.4	94
314	The CLIVAR C20C project: selected twentieth century climate events. *Climate Dynamics*, **2009**, 33, 603-614	4.2	93
313	Projection of future precipitation change over China with a high-resolution global atmospheric model. *Advances in Atmospheric Sciences*, **2011**, 28, 464-476	2.9	90

312	Teleconnection between NAO and Climate Downstream of the Tibetan Plateau. *Journal of Climate*, **2008**, 21, 4680-4690	4.4	89
311	Why Is There an Early Spring Cooling Shift Downstream of the Tibetan Plateau?. *Journal of Climate*, **2005**, 18, 4660-4668	4.4	89
310	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
309	Climate impacts of recent multidecadal changes in Atlantic Ocean Sea Surface Temperature: a multimodel comparison. *Climate Dynamics*, **2010**, 34, 1041-1058	4.2	84
308	Reduced exposure to extreme precipitation from 0.5 °C less warming in global land monsoon regions. *Nature Communications*, **2018**, 9, 3153	17.4	83
307	Near future (2016-40) summer precipitation changes over China as projected by a regional climate model (RCM) under the RCP8.5 emissions scenario: Comparison between RCM downscaling and the driving GCM. *Advances in Atmospheric Sciences*, **2013**, 30, 806-818	2.9	80
306	Seasonal Variation of the Diurnal Cycle of Rainfall in Southern Contiguous China. *Journal of Climate*, **2008**, 21, 6036-6043	4.4	79
305	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
304	The Indian Ocean Sea Surface Temperature Warming Simulated by CMIP5 Models during the Twentieth Century: Competing Forcing Roles of GHGs and Anthropogenic Aerosols. *Journal of Climate*, **2014**, 27, 3348-3362	4.4	78
303	Impacts of winter-NAO on March cooling trends over subtropical Eurasia continent in the recent half century. *Geophysical Research Letters*, **2004**, 31, n/a-n/a	4.9	78
302	Responses of the Western North Pacific Subtropical High to Global Warming under RCP4.5 and RCP8.5 Scenarios Projected by 33 CMIP5 Models: The Dominance of Tropical Indian Ocean–Tropical Western Pacific SST Gradient. *Journal of Climate*, **2015**, 28, 365-380	4.4	77
301	Effects of Large Volcanic Eruptions on Global Summer Climate and East Asian Monsoon Changes during the Last Millennium: Analysis of MPI-ESM Simulations. *Journal of Climate*, **2014**, 27, 7394-7409	4.4	76
300	Changes of extreme precipitation and nonlinear influence of climate variables over monsoon region in China. *Atmospheric Research*, **2017**, 197, 379-389	5.4	75
299	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
298	The relative roles of upper and lower tropospheric thermal contrasts and tropical influences in driving Asian summer monsoons. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 7024-7045	4.4	72
297	Understanding the Predictability of East Asian Summer Monsoon from the Reproduction of Land–Sea Thermal Contrast Change in AMIP-Type Simulation. *Journal of Climate*, **2010**, 23, 6009-6026	4.4	72
296	Enhanced or Weakened Western North Pacific Subtropical High under Global Warming?. *Scientific Reports*, **2015**, 5, 16771	4.9	70
295	Indian Ocean warming during 1958–2004 simulated by a climate system model and its mechanism. *Climate Dynamics*, **2014**, 42, 203-217	4.2	70

294	Oceanic origin of the interannual and interdecadal variability of the summertime western Pacific subtropical high. *Geophysical Research Letters*, **2008**, 35,	4.9	65
293	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
292	The strengthening East Asia summer monsoon since the early 1990s. *Science Bulletin*, **2012**, 57, 1553-1558		64
291	Multi-model projection of July–August climate extreme changes over China under CO2 doubling. Part I: Precipitation. *Advances in Atmospheric Sciences*, **2011**, 28, 433-447	2.9	62
290	GMMIP (v1.0) contribution to CMIP6: Global Monsoons Model Inter-comparison Project. *Geoscientific Model Development*, **2016**, 9, 3589-3604	6.3	62
289	An assessment of monsoon precipitation changes during 1901–2001. *Climate Dynamics*, **2011**, 37, 279-296	4.2	61
288	East Asian, Indochina and Western North Pacific Summer Monsoon - An update. *Asia-Pacific Journal of Atmospheric Sciences*, **2014**, 50, 45-68	2.1	60
287	Can a Regional Ocean–Atmosphere Coupled Model Improve the Simulation of the Interannual Variability of the Western North Pacific Summer Monsoon?. *Journal of Climate*, **2013**, 26, 2353-2367	4.4	60
286	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
285	An introduction to the coupled model FGOALS1.1-s and its performance in East Asia. *Advances in Atmospheric Sciences*, **2010**, 27, 1131-1142	2.9	56
284	Sea-surface temperature induced variability of the Southern Annular Mode in an atmospheric general circulation model. *Geophysical Research Letters*, **2004**, 31,	4.9	56
283	Dynamical downscaling of historical climate over CORDEX East Asia domain: A comparison of regional ocean-atmosphere coupled model to stand-alone RCM simulations. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 1442-1458	4.4	54
282	Responses of the Summertime Subtropical Anticyclones to Global Warming. *Journal of Climate*, **2017**, 30, 6465-6479	4.4	53
281	Wetting and greening Tibetan Plateau in early summer in recent decades. *Journal of Geophysical Research D: Atmospheres*, **2017**, 122, 5808-5822	4.4	53
280	Detectable Anthropogenic Shift toward Heavy Precipitation over Eastern China. *Journal of Climate*, **2017**, 30, 1381-1396	4.4	52
279	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
278	Parameter Tuning and Calibration of RegCM3 with MIT–Emanuel Cumulus Parameterization Scheme over CORDEX East Asia Domain. *Journal of Climate*, **2014**, 27, 7687-7701	4.4	49
277	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

276	Simulation of the East Asian Summer Monsoon during the Last Millennium with the MPI Earth System Model. *Journal of Climate*, **2012**, 25, 7852-7866	4.4	47
275	Contributions of natural and anthropogenic forcings to the summer cooling over eastern China: An AGCM study. *Geophysical Research Letters*, **2007**, 34,	4.9	47
274	Future changes in precipitation over Central Asia based on CMIP6 projections. *Environmental Research Letters*, **2020**, 15, 054009	6.2	46
273	The Footprint of the Inter-decadal Pacific Oscillation in Indian Ocean Sea Surface Temperatures. *Scientific Reports*, **2016**, 6, 21251	4.9	46
272	The two interannual variability modes of the Western North Pacific Subtropical High simulated by 28 CMIP5–AMIP models. *Climate Dynamics*, **2014**, 43, 2455-2469	4.2	46
271	Fundamental framework and experiments of the third generation of IAP / LASG world ocean general circulation model. *Advances in Atmospheric Sciences*, **1999**, 16, 197-215	2.9	45
270	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
269	Distinct effects of global mean warming and regional sea surface warming pattern on projected uncertainty in the South Asian summer monsoon. *Geophysical Research Letters*, **2015**, 42, 9433-9439	4.9	44
268	The Crucial Role of Internal Variability in Modulating the Decadal Variation of the East Asian Summer Monsoon–ENSO Relationship during the Twentieth Century. *Journal of Climate*, **2015**, 28, 7093-7107	4.4	44
267	The CLIVAR C20C project: skill of simulating Indian monsoon rainfall on interannual to decadal timescales. Does GHG forcing play a role?. *Climate Dynamics*, **2009**, 33, 615-627	4.2	44
266	Increasing impacts from extreme precipitation on population over China with global warming. *Science Bulletin*, **2020**, 65, 243-252	10.6	41
265	Changes of Pacific decadal variability in the twentieth century driven by internal variability, greenhouse gases, and aerosols. *Geophysical Research Letters*, **2014**, 41, 8570-8577	4.9	40
264	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
263	Monsoons Climate Change Assessment. *Bulletin of the American Meteorological Society*, **2021**, 102, E1-E19	8.1	40
262	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
261	The formation of the recent cooling in the eastern tropical Pacific Ocean and the associated climate impacts: A competition of global warming, IPO, and AMO. *Journal of Geophysical Research D: Atmospheres*, **2014**, 119, 11,272-11,287	4.4	39
260	The key oceanic regions responsible for the interannual variability of the western North Pacific subtropical high and associated mechanisms. *Journal of Meteorological Research*, **2015**, 29, 562-575	2.3	39
259	Coupled model simulations of climate changes in the 20th century and beyond. *Advances in Atmospheric Sciences*, **2008**, 25, 641-654	2.9	39

258	A fast version of LASG/IAP climate system model and its 1000-year control integration. *Advances in Atmospheric Sciences*, **2008**, 25, 655-672	2.9	39
257	Advances in research of ENSO changes and the associated impacts on Asian-Pacific climate. *Asia-Pacific Journal of Atmospheric Sciences*, **2014**, 50, 405-422	2.1	38
256	Relative role of tropical SST forcing in the 1990s periodicity change of the Pacific-Japan pattern interannual variability. *Journal of Geophysical Research D: Atmospheres*, **2014**, 119, 13,043-13,066	4.4	38
255	Global Land Monsoon Precipitation Changes in CMIP6 Projections. *Geophysical Research Letters*, **2020**, 47, e2019GL086902	4.9	37
254	A sensitivity analysis of cloud properties to CLUBB parameters in the single-column Community Atmosphere Model (SCAM5). *Journal of Advances in Modeling Earth Systems*, **2014**, 6, 829-858	7.1	37
253	Origin of the Intraseasonal Variability over the North Pacific in Boreal Summer*. *Journal of Climate*, **2013**, 26, 1211-1229	4.4	37
252	Characteristics of decadal-centennial-scale changes in East Asian summer monsoon circulation and precipitation during the Medieval Warm Period and Little Ice Age and in the present day. *Science Bulletin*, **2011**, 56, 3003		37
251	East China Summer Rainfall Variability of 1958–2000: Dynamical Downscaling with a Variable-Resolution AGCM. *Journal of Climate*, **2010**, 23, 6394-6408	4.4	37
250	Interdecadal circumglobal teleconnection pattern during boreal summer. *Atmospheric Science Letters*, **2016**, 17, 446-452	2.4	36
249	Impacts of Shallow Convection on MJO Simulation: A Moist Static Energy and Moisture Budget Analysis. *Journal of Climate*, **2013**, 26, 2417-2431	4.4	36
248	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
247	Historical evolution of global and regional surface air temperature simulated by FGOALS-s2 and FGOALS-g2: How reliable are the model results?. *Advances in Atmospheric Sciences*, **2013**, 30, 638-657	2.9	35
246	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
245	Human Contribution to the Increasing Summer Precipitation in Central Asia from 1961 to 2013. *Journal of Climate*, **2018**, 31, 8005-8021	4.4	34
244	Intraseasonal SST Variability and Air–Sea Interaction over the Kuroshio Extension Region during Boreal Summer. *Journal of Climate*, **2012**, 25, 1619-1634	4.4	34
243	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
242	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
241	Multi-model projection of July–August climate extreme changes over China under CO2 doubling. Part II: Temperature. *Advances in Atmospheric Sciences*, **2011**, 28, 448-463	2.9	33

240	Diagnostic comparison of wintertime East Asian subtropical jet and polar-front jet: Large-scale characteristics and transient eddy activities. *Journal of Meteorological Research*, **2011**, 25, 21-33		33
239	On multi-timescale variability of temperature in China in modulated annual cycle reference frame. *Advances in Atmospheric Sciences*, **2010**, 27, 1169-1182	2.9	33
238	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
237	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
236	Chinese contribution to CMIP5: An overview of five Chinese models performances. *Journal of Meteorological Research*, **2014**, 28, 481-509	2.3	32
235	Increased Tibetan Plateau snow depth: An indicator of the connection between enhanced winter NAO and late-spring tropospheric cooling over East Asia. *Advances in Atmospheric Sciences*, **2010**, 27, 788-794	2.9	32
234	Observed trends in the timing of wet and dry season in China and the associated changes in frequency and duration of daily precipitation. *International Journal of Climatology*, **2015**, 35, 4631-4641	3.5	31
233	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
232	Polarized Response of East Asian Winter Temperature Extremes in the Era of Arctic Warming. *Journal of Climate*, **2018**, 31, 5543-5557	4.4	30
231	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
230	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
229	Sensitivity of a regional ocean-atmosphere coupled model to convection parameterization over western North Pacific. *Journal of Geophysical Research*, **2011**, 116,		29
228	A comparison of the Medieval Warm Period, Little Ice Age and 20th century warming simulated by the FGOALS climate system model. *Science Bulletin*, **2011**, 56, 3028-3041		29
227	The Response of Subtropical Highs to Climate Change. *Current Climate Change Reports*, **2018**, 4, 371-3829		29
226	Paleoclimate modeling in China: A review. *Advances in Atmospheric Sciences*, **2015**, 32, 250-275	2.9	28
225	North Atlantic weather regimes response to Indian-western Pacific Ocean warming: A multi-model study. *Geophysical Research Letters*, **2008**, 35,	4.9	28
224	SUMMER MONSOONS IN EAST ASIA, INDOCHINA AND THE WESTERN NORTH PACIFIC. *World Scientific Series on Asia-Pacific Weather and Climate*, **2011**, 43-72		28
223	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

222	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
221	Variability of large-scale atmospheric circulation indices for the northern hemisphere during the past 100 years. *Meteorologische Zeitschrift*, **2009**, 18, 379-396	3.1	27
220	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
219	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
218	Summer rain fall duration and its diurnal cycle over the US Great Plains. *International Journal of Climatology*, **2009**, 29, 1515-1519	3.5	26
217	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
216	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
215	Recent advances in monsoon studies in China. *Advances in Atmospheric Sciences*, **2015**, 32, 206-229	2.9	25
214	Aerosol forcing of extreme summer drought over North China. *Environmental Research Letters*, **2017**, 12, 034020	6.2	24
213	Parametric behaviors of CLUBB in simulations of low clouds in the Community Atmosphere Model (CAM). *Journal of Advances in Modeling Earth Systems*, **2015**, 7, 1005-1025	7.1	24
212	Uncertainty in the 2 °C warming threshold related to climate sensitivity and climate feedback. *Journal of Meteorological Research*, **2015**, 29, 884-895	2.3	24
211	Harmonious inter-decadal changes of July–August upper tropospheric temperature across the North Atlantic, Eurasian continent, and North Pacific. *Advances in Atmospheric Sciences*, **2009**, 26, 656-665	2.9	24
210	The Vertical Structures of Atmospheric Temperature Anomalies Associated with Two Flavors of El Niño Simulated by AMIP II Models. *Journal of Climate*, **2011**, 24, 1053-1070	4.4	24
209	From unusual suspect to serial killer: Cyanotoxins boosted by climate change may jeopardize megafauna. *Innovation(China)*, **2021**, 2, 100092	17.8	24
208	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
207	Asian summer monsoon onset in simulations and CMIP5 projections using four Chinese climate models. *Advances in Atmospheric Sciences*, **2015**, 32, 794-806	2.9	23
206	South Asian summer monsoon projections constrained by the interdecadal Pacific oscillation. *Science Advances*, **2020**, 6, eaay6546	14.3	23
205	Development of earth/climate system models in China: A review from the Coupled Model Intercomparison Project perspective. *Journal of Meteorological Research*, **2014**, 28, 762-779	2.3	23

204	The Interannual Variability of Summer Upper-Tropospheric Temperature over East Asia. *Journal of Climate*, **2012**, 25, 6539-6553	4.4	23
203	A comparative study of large-scale atmospheric circulation in the context of a future scenario (RCP4.5) and past warmth (mid-Pliocene). *Climate of the Past*, **2013**, 9, 1613-1627	3.9	23
202	Forced response of atmospheric oscillations during the last millennium simulated by a climate system model. *Science Bulletin*, **2011**, 56, 3042		23
201	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
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