

Renhe Zhang

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.

175
papers

6,522
citations

41
h-index

76
g-index

193
ext. papers

8,105
ext. citations

4.6
avg, IF

6.46
L-index

#	Paper	IF	Citations
175	An Intraseasonal Mode Linking Wintertime Surface Air Temperature over Arctic and Eurasian Continent. <i>Journal of Climate</i> , 2022 , 35, 2675-2696	4.4	1
174	MERRA-2 PM mass concentration reconstruction in China mainland based on LightGBM machine learning.. <i>Science of the Total Environment</i> , 2022 , 154363	10.2	0
173	Dynamic Causes of ENSO Decay and its Asymmetry. <i>Journal of Climate</i> , 2021 , 1-56	4.4	1
172	ENSO phase-locking behavior in climate models: from CMIP5 to CMIP6. <i>Environmental Research Communications</i> , 2021 , 3, 031004	3.1	2
171	Historic Yangtze flooding of 2020 tied to extreme Indian Ocean conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	68
170	Effect of upper-level air temperature changes over the Tibetan Plateau on the genesis frequency of Tibetan Plateau vortices at interannual timescales. <i>Climate Dynamics</i> , 2021 , 57, 341-352	4.2	0
169	Regionally Different Precipitation Trends Over the Tibetan Plateau in the Warming Context: A Perspective of the Tibetan Plateau Vortices. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091680	4.9	3
168	Roles of the Tibetan Plateau vortices in the record Meiyu rainfall in 2020. <i>Atmospheric Science Letters</i> , 2021 , 22, e1017	2.4	11
167	Dominant synoptic patterns associated with the decay process of PM _{2.5} pollution episodes around Beijing. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 2491-2508	6.8	3
166	Predicting the effect of confinement on the COVID-19 spread using machine learning enriched with satellite air pollution observations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
165	El Niño Modoki can be mostly predicted more than 10 years ahead of time. <i>Scientific Reports</i> , 2021 , 11, 17860	4.9	5
164	Opposite interdecadal variations of wintertime haze occurrence over North China Plain and Yangtze River Delta regions in 1980-2013. <i>Science of the Total Environment</i> , 2020 , 732, 139240	10.2	7
163	Roles of Tibetan Plateau vortices in the heavy rainfall over southwestern China in early July 2018. <i>Atmospheric Research</i> , 2020 , 245, 105059	5.4	6
162	Increased European heat waves in recent decades in response to shrinking Arctic sea ice and Eurasian snow cover. <i>Npj Climate and Atmospheric Science</i> , 2020 , 3,	8	34
161	Characteristics of convections associated with the Tibetan Plateau vortices based on geostationary satellite data. <i>International Journal of Climatology</i> , 2020 , 40, 4876-4887	3.5	2
160	Changes of precipitation and moisture extremes in ERA-interim reanalysis viewed from a new space. <i>Environmental Research Communications</i> , 2020 , 2, 011004	3.1	0
159	How Did Air Pollution Change during the COVID-19 Outbreak in China?. <i>Bulletin of the American Meteorological Society</i> , 2020 , 101, E1645-E1652	6.1	19

158	Influences of the East Asian Summer Rainfall on Circumglobal Teleconnection. <i>Journal of Climate</i> , 2020 , 33, 5213-5221	4.4	7
157	The Contribution of Boreal Spring South Pacific Atmospheric Variability to El Niño Occurrence. <i>Journal of Climate</i> , 2020 , 33, 8301-8313	4.4	3
156	Climate shift of the South China Sea summer monsoon onset in 1993/1994 and its physical causes. <i>Climate Dynamics</i> , 2020 , 54, 1819-1827	4.2	4
155	Effects of atmospheric circulations on the interannual variation in PM _{2.5} concentrations over the Beijing-Tianjin-Hebei region in 2013-2018. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 7667-7682	6.8	16
154	Daily CO Emission Reduction Indicates the Control of Activities to Contain COVID-19 in China. <i>Innovation(China)</i> , 2020 , 1, 100062	17.8	14
153	Structure characteristics of the vortices moving off the Tibetan Plateau. <i>Meteorology and Atmospheric Physics</i> , 2020 , 132, 19-34	2	7
152	Influence of wintertime surface sensible heat flux variability over the central and eastern Tibetan Plateau on the East Asian winter monsoon. <i>Climate Dynamics</i> , 2020 , 54, 4589-4603	4.2	8
151	Evaluation of NCEP-FNL and ERA-Interim Data Sets in Detecting Tibetan Plateau Vortices in May-August of 2000-2015. <i>Earth and Space Science</i> , 2020 , 7, e2019EA000907	3.1	6
150	Effects of the atmospheric dynamic and thermodynamic fields on the eastward propagation of Tibetan Plateau vortices. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2019 , 71, 1647088	2	1
149	Interannual Variability of Summer Surface Air Temperature over Central India: Implications for Monsoon Onset. <i>Journal of Climate</i> , 2019 , 32, 1693-1706	4.4	16
148	The Effects of PM _{2.5} Concentrations and Relative Humidity on Atmospheric Visibility in Beijing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 2235-2259	4.4	41
147	Distribution and Variation of the Surface Sensible Heat Flux Over the Central and Eastern Tibetan Plateau: Comparison of Station Observations and Multireanalysis Products. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 6191-6206	4.4	11
146	Dynamic effect of the South Asian high on the interannual zonal extension of the western North Pacific subtropical high. <i>International Journal of Climatology</i> , 2019 , 39, 5367-5379	3.5	10
145	Relationship between the Circumglobal Teleconnection and Silk Road Pattern over Eurasian continent. <i>Science Bulletin</i> , 2019 , 64, 374-376	10.6	16
144	Boreal Summer Intraseasonal Oscillation in the Asian-Pacific Monsoon Region Simulated in CAMS-CSM. <i>Journal of Meteorological Research</i> , 2019 , 33, 66-79	2.3	3
143	Large-scale backgrounds and crucial factors modulating the eastward moving speed of vortices moving off the Tibetan Plateau. <i>Climate Dynamics</i> , 2019 , 53, 1711-1722	4.2	4
142	Interannual relationship between intensity of rainfall intraseasonal oscillation and summer-mean rainfall over Yangtze River Basin in eastern China. <i>Climate Dynamics</i> , 2019 , 53, 3089-3108	4.2	7
141	Westerlies Asia and monsoonal Asia: Spatiotemporal differences in climate change and possible mechanisms on decadal to sub-orbital timescales. <i>Earth-Science Reviews</i> , 2019 , 192, 337-354	10.2	166

140	Climatic characteristics of East Asian tropical monsoon depressions. <i>Theoretical and Applied Climatology</i> , 2019 , 138, 399-415	3	2
139	Interdecadal changes in the asymmetric impacts of ENSO on wintertime rainfall over China and atmospheric circulations over western North Pacific. <i>Climate Dynamics</i> , 2019 , 52, 7525-7536	4.2	10
138	Characteristics of the Tibetan Plateau vortices and the related large-scale circulations causing different precipitation intensity. <i>Theoretical and Applied Climatology</i> , 2019 , 138, 849-860	3	8
137	Role of Eurasian Snow Cover in Linking Winter-Spring Eurasian Coldness to the Autumn Arctic Sea Ice Retreat. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 9205-9221	4.4	11
136	Influence of Intraseasonal Oscillation on the Asymmetric Decays of El Niño and La Niña. <i>Advances in Atmospheric Sciences</i> , 2019 , 36, 779-792	2.9	2
135	The influence of wave trains in mid-high latitudes on persistent heavy rain during the first rainy season over South China. <i>Climate Dynamics</i> , 2019 , 53, 2949-2968	4.2	14
134	Changes of tropical cyclone activity in a warming world are sensitive to sea surface temperature environment. <i>Environmental Research Letters</i> , 2019 , 14, 124052	6.2	1
133	Variability and Predictability of Indian Rainfall During the Monsoon Onset Month of June. <i>Geophysical Research Letters</i> , 2019 , 46, 14782-14788	4.9	8
132	Quasi-Biweekly Oscillation of the South Asian High and Its Role in Connecting the Indian and East Asian Summer Rainfalls. <i>Geophysical Research Letters</i> , 2019 , 46, 14742-14750	4.9	19
131	Development and eastward movement mechanisms of the Tibetan Plateau vortices moving off the Tibetan Plateau. <i>Climate Dynamics</i> , 2019 , 52, 4849-4859	4.2	8
130	Interannual variability and dynamics of intraseasonal wind rectification in the equatorial Pacific Ocean. <i>Climate Dynamics</i> , 2019 , 52, 4351-4369	4.2	6
129	Recent Third Pole Rapid Warming Accompanies Cryospheric Melt and Water Cycle Intensification and Interactions between Monsoon and Environment: Multidisciplinary Approach with Observations, Modeling, and Analysis. <i>Bulletin of the American Meteorological Society</i> , 2019 , 100, 423-444	6.1	253
128	Effect of the atmospheric quasi-biweekly oscillation on the vortices moving off the Tibetan Plateau. <i>Climate Dynamics</i> , 2018 , 50, 1193-1207	4.2	13
127	Land surface air temperature variations over Eurasia and possible causes in the past century. <i>International Journal of Climatology</i> , 2018 , 38, 1925-1937	3.5	3
126	Year-to-year variability of surface air temperature over China in winter. <i>International Journal of Climatology</i> , 2018 , 38, 1692-1705	3.5	6
125	Modulation of the atmospheric quasi-biweekly oscillation on the diurnal variation of the occurrence frequency of the Tibetan Plateau vortices. <i>Climate Dynamics</i> , 2018 , 50, 4507-4518	4.2	12
124	Sea Surface Temperature in the Subtropical Pacific Boosted the 2015 El Niño and Hindered the 2016 La Niña. <i>Journal of Climate</i> , 2018 , 31, 877-893	4.4	15
123	Seasonal prediction and predictability of Eurasian spring snow water equivalent in NCEP Climate Forecast System version 2 reforecasts. <i>Climate Dynamics</i> , 2018 , 50, 339-348	4.2	6

122	Partial least regression approach to forecast the East Asian winter monsoon using Eurasian snow cover and sea surface temperature. <i>Climate Dynamics</i> , 2018 , 51, 4573-4584	4.2	6
121	The impact of Arctic sea ice on the inter-annual variations of summer Ural blocking. <i>International Journal of Climatology</i> , 2018 , 38, 4632-4650	3.5	12
120	Diurnal variation in the intensity of nascent Tibetan Plateau vortices. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2018 , 144, 2524-2536	6.4	4
119	Monitoring the pendulum between El Niño and La Niña events. <i>Environmental Research Letters</i> , 2018 , 13, 074001	6.2	3
118	Modulation of the Intensity of Nascent Tibetan Plateau Vortices by Atmospheric Quasi-Biweekly Oscillation. <i>Advances in Atmospheric Sciences</i> , 2018 , 35, 1347-1361	2.9	
117	Fourteen Actions and Six Proposals for Science and Technology-Based Disaster Risk Reduction in Asia. <i>International Journal of Disaster Risk Science</i> , 2018 , 9, 275-279	4.6	5
116	Impact of Eurasian Spring Snow Decrement on East Asian Summer Precipitation. <i>Journal of Climate</i> , 2017 , 30, 3421-3437	4.4	42
115	Impact of the South and North Pacific Meridional Modes on the El Niño Southern Oscillation: Observational Analysis and Comparison. <i>Journal of Climate</i> , 2017 , 30, 1705-1720	4.4	28
114	Consecutive record-breaking high temperatures marked the handover from hiatus to accelerated warming. <i>Scientific Reports</i> , 2017 , 7, 43735	4.9	30
113	Winter Eurasian cooling linked with the Atlantic Multidecadal Oscillation. <i>Environmental Research Letters</i> , 2017 , 12, 125002	6.2	36
112	The relation of cross-equatorial flow during winter and spring with South China Sea summer monsoon onset. <i>International Journal of Climatology</i> , 2017 , 37, 4576-4585	3.5	12
111	Effect of Spring Precipitation on Summer Precipitation in Eastern China: Role of Soil Moisture. <i>Journal of Climate</i> , 2017 , 30, 9183-9194	4.4	25
110	Genesis of southwest vortices and its relation to Tibetan Plateau vortices. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017 , 143, 2556-2566	6.4	30
109	Impact of El Niño on atmospheric circulations over East Asia and rainfall in China: Role of the anomalous western North Pacific anticyclone. <i>Science China Earth Sciences</i> , 2017 , 60, 1124-1132	4.6	105
108	Relationship between the Asian Westerly Jet Stream and Summer Rainfall over Central Asia and North China: Roles of the Indian Monsoon and the South Asian High. <i>Journal of Climate</i> , 2017 , 30, 537-552	4.4	67
107	The Southern China Monsoon Rainfall Experiment (SCMREX). <i>Bulletin of the American Meteorological Society</i> , 2017 , 98, 999-1013	6.1	93
106	Theories on formation of an anomalous anticyclone in western North Pacific during El Niño: A review. <i>Journal of Meteorological Research</i> , 2017 , 31, 987-1006	2.3	151
105	Multi-pollutant emissions from the burning of major agricultural residues in China and the related health-economic effects. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 4957-4988	6.8	34

104	Influence of soil moisture in eastern China on the East Asian summer monsoon. <i>Advances in Atmospheric Sciences</i> , 2016 , 33, 151-163	2.9	22
103	Possible influence of South Asian high on summer rainfall variability in Korea. <i>Climate Dynamics</i> , 2016 , 46, 833-846	4.2	11
102	Advances in studying interactions between aerosols and monsoon in China. <i>Science China Earth Sciences</i> , 2016 , 59, 1-16	4.6	113
101	Climatic and Environmental Changes in China. <i>Springer Environmental Science and Engineering</i> , 2016 , 29-45		3
100	The Attribution of Climate Change and Its Uncertainty. <i>Springer Environmental Science and Engineering</i> , 2016 , 47-67		
99	Possible relation of the western North Pacific monsoon to the tropical cyclone activity over western North Pacific. <i>International Journal of Climatology</i> , 2016 , 36, 3334-3345	3.5	9
98	Temporal and spatial features and inter-annual variability of wintertime snow mass balance over China. <i>International Journal of Climatology</i> , 2016 , 36, 3897-3907	3.5	2
97	Prediction skill and predictability of Eurasian snow cover fraction in the NCEP Climate Forecast System version 2 reforecasts. <i>International Journal of Climatology</i> , 2016 , 36, 4071-4084	3.5	10
96	Interannual variation of the wintertime fog/haze days across central and eastern China and its relation with East Asian winter monsoon. <i>International Journal of Climatology</i> , 2016 , 36, 346-354	3.5	139
95	The Relationship between Soil Moisture and LAI in Different Types of Soil in Central Eastern China. <i>Journal of Hydrometeorology</i> , 2016 , 17, 2733-2742	3.7	16
94	Synoptic pattern and severe weather associated with the wide convection over Southeast China during the summer monsoon period. <i>Journal of Meteorological Research</i> , 2015 , 29, 41-58	2.3	5
93	Plausible influence of Atlantic Ocean SST anomalies on winter haze in China. <i>Theoretical and Applied Climatology</i> , 2015 , 122, 249-257	3	38
92	Interannual Variation of the South Asian High and Its Relation with Indian and East Asian Summer Monsoon Rainfall. <i>Journal of Climate</i> , 2015 , 28, 2623-2634	4.4	98
91	Role of intraseasonal oscillation in asymmetric impacts of El Niño and La Niña on the rainfall over southern China in boreal winter. <i>Climate Dynamics</i> , 2015 , 45, 559-567	4.2	61
90	What hindered the El Niño pattern in 2014?. <i>Geophysical Research Letters</i> , 2015 , 42, 6762-6770	4.9	70
89	Natural and human-induced changes in summer climate over the East Asian monsoon region in the last half century: A review. <i>Advances in Climate Change Research</i> , 2015 , 6, 131-140	4.1	20
88	Changes in East Asian summer monsoon and summer rainfall over eastern China during recent decades. <i>Science Bulletin</i> , 2015 , 60, 1222-1224	10.6	56
87	Response of summer rainfall over China to spring snow anomalies over Siberia in the NCEP CFSv2 reforecast. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015 , 141, 939-944	6.4	12

86	Extreme cold and warm events over China in wintertime. <i>International Journal of Climatology</i> , 2015 , 35, 3568-3581	3.5	11
85	????21?????????????????. <i>Chinese Science Bulletin</i> , 2015 , 60, 3036-3047	2.9	13
84	Impact of Indian summer monsoon on the South Asian High and its influence on summer rainfall over China. <i>Climate Dynamics</i> , 2014 , 43, 1257-1269	4.2	104
83	Diurnal variation in the occurrence frequency of the Tibetan Plateau vortices. <i>Meteorology and Atmospheric Physics</i> , 2014 , 125, 135-144	2	33
82	Intercomparison of spring soil moisture among multiple reanalysis data sets over eastern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 54-64	4.4	30
81	Effect of the atmospheric heat source on the development and eastward movement of the Tibetan Plateau vortices. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2014 , 66, 24451	2	33
80	Impact of East Asian Winter and Australian Summer Monsoons on the Enhanced Surface Westerlies over the Western Tropical Pacific Ocean Preceding the El Niño Onset. <i>Journal of Climate</i> , 2014 , 27, 1928-1944	4.4	8
79	The Initiation and Developing Mechanisms of Central Pacific El Niños. <i>Journal of Climate</i> , 2014 , 27, 4473-4485	4.4	30
78	Meteorological conditions for the persistent severe fog and haze event over eastern China in January 2013. <i>Science China Earth Sciences</i> , 2014 , 57, 26-35	4.6	281
77	On the Relationship between Winter Sea Ice and Summer Atmospheric Circulation over Eurasia. <i>Journal of Climate</i> , 2013 , 26, 5523-5536	4.4	50
76	Stable isotopes in surface snow along a traverse route from Zhongshan station to Dome A, East Antarctica. <i>Climate Dynamics</i> , 2013 , 41, 2427-2438	4.2	16
75	Predictable patterns and predictive skills of monsoon precipitation in Northern Hemisphere summer in NCEP CFSv2 reforecasts. <i>Climate Dynamics</i> , 2013 , 40, 3071-3088	4.2	36
74	The zonal propagating characteristics of low-frequency oscillation over the Eurasian mid-high latitude in boreal summer. <i>Science China Earth Sciences</i> , 2013 , 56, 1566-1575	4.6	10
73	Kinematic features of a bow echo in southern China observed with Doppler radar. <i>Advances in Atmospheric Sciences</i> , 2013 , 30, 1535-1548	2.9	5
72	Comparison of the structure and evolution of intraseasonal oscillations before and after onset of the Asian summer monsoon. <i>Journal of Meteorological Research</i> , 2013 , 27, 684-700		2
71	Relationship between an abrupt drought-flood transition over mid-low reaches of the Yangtze River in 2011 and the intraseasonal oscillation over mid-high latitudes of East Asia. <i>Journal of Meteorological Research</i> , 2013 , 27, 129-143		27
70	Effects on Summer Monsoon and Rainfall Change Over China Due to Eurasian Snow Cover and Ocean Thermal Conditions 2013 ,		5
69	Long-Term Variations of Broad-Scale Asian Summer Monsoon Circulation and Possible Causes. <i>Journal of Climate</i> , 2013 , 26, 8947-8961	4.4	16

68	Gridded Hourly Precipitation Analysis from High-Density Rain Gauge Network over the Yangtze-Huai Rivers Basin during the 2007 Mei-Yu Season and Comparison with CMORPH. <i>Journal of Hydrometeorology</i> , 2013 , 14, 1243-1258	3.7	27
67	Comparison of Rainfall Characteristics and Convective Properties of Monsoon Precipitation Systems over South China and the Yangtze and Huai River Basin. <i>Journal of Climate</i> , 2013 , 26, 110-132	4.4	98
66	Decadal variability in springtime snow over Eurasia: Relation with circulation and possible influence on springtime rainfall over China. <i>International Journal of Climatology</i> , 2012 , 32, 1336-1345	3.5	50
65	Inter-decadal variations of springtime rainfall over southern China mainland for 1979-2004 and its relationship with Eurasian snow. <i>Science China Earth Sciences</i> , 2012 , 55, 271-278	4.6	17
64	Seasonal variation of climatological bypassing flows around the Tibetan Plateau. <i>Advances in Atmospheric Sciences</i> , 2012 , 29, 1100-1110	2.9	7
63	An assessment of multidimensional flood vulnerability at the provincial scale in China based on the DEA method. <i>Natural Hazards</i> , 2012 , 64, 1575-1586	3	43
62	Areal differences in diurnal variations in summer precipitation over Beijing metropolitan region. <i>Theoretical and Applied Climatology</i> , 2012 , 110, 395-408	3	23
61	Role of Thermal Condition over Asia in the Weakening Asian Summer Monsoon under Global Warming Background. <i>Journal of Climate</i> , 2012 , 25, 3431-3436	4.4	35
60	A China-Japan Cooperative JICA Atmospheric Observing Network over the Tibetan Plateau (JICA/Tibet Project): An Overviews. <i>Journal of the Meteorological Society of Japan</i> , 2012 , 90C, 1-16	2.8	32
59	Estimation of hourly solar radiation at the surface under cloudless conditions on the Tibetan Plateau using a simple radiation model. <i>Advances in Atmospheric Sciences</i> , 2012 , 29, 675-689	2.9	7
58	Impacts of Model Resolutions and Initial Conditions on Predictions of the Asian Summer Monsoon by the NCEP Climate Forecast System. <i>Weather and Forecasting</i> , 2012 , 27, 629-646	2.1	14
57	Regional atmospheric anomalies responsible for the 2009-2010 severe drought in China. <i>Journal of Geophysical Research</i> , 2011 , 116,		77
56	The relation of vegetation over the Tibetan Plateau to rainfall in China during the boreal summer. <i>Climate Dynamics</i> , 2011 , 36, 1207-1219	4.2	38
55	Diagnostic analysis of the evolution mechanism for a vortex over the Tibetan Plateau in June 2008. <i>Advances in Atmospheric Sciences</i> , 2011 , 28, 797-808	2.9	35
54	Impacts of land process on the onset and evolution of Asian summer monsoon in the NCEP climate forecast system. <i>Advances in Atmospheric Sciences</i> , 2011 , 28, 1301-1317	2.9	17
53	Statistical downscaling of pattern projection using multi-model output variables as predictors. <i>Journal of Meteorological Research</i> , 2011 , 25, 293-302		1
52	Effects of autumn-winter Arctic sea ice on winter Siberian High. <i>Science Bulletin</i> , 2011 , 56, 3220		105
51	Upscale feedback of high-frequency winds to ENSO. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2011 , 137, 894-907	6.4	25

50	Relationship between anomalies of Eurasian snow and southern China rainfall in winter. <i>Environmental Research Letters</i> , 2011 , 6, 045402	6.2	17
49	Intercomparison of Deep Convection over the Tibetan PlateauAsian Monsoon Region and Subtropical North America in Boreal Summer Using CloudSat/CALIPSO Data. <i>Journal of Climate</i> , 2011 , 24, 2164-2177	4.4	89
48	Impact of Spring Soil Moisture on Surface Energy Balance and Summer Monsoon Circulation over East Asia and Precipitation in East China. <i>Journal of Climate</i> , 2011 , 24, 3309-3322	4.4	86
47	Characteristics of the Dominant Modes of Atmospheric Quasi-Biweekly Oscillation over TropicalSubtropical Americas. <i>Journal of Climate</i> , 2011 , 24, 3956-3970	4.4	16
46	South China Heavy Rainfall Experiments (SCHeREX). <i>Journal of the Meteorological Society of Japan</i> , 2011 , 89A, 153-166	2.8	25
45	Influence of Alpine Meadow Land Cover Differences on Precipitation-Runoff Processes on the QinghaiTibet Plateau, China. <i>Environmental Engineering Science</i> , 2010 , 27, 209-213	2	1
44	Causes of the El Niño and La Niña Amplitude Asymmetry in the Equatorial Eastern Pacific. <i>Journal of Climate</i> , 2010 , 23, 605-617	4.4	106
43	Structure and Origin of the Quasi-Biweekly Oscillation over the Tropical Indian Ocean in Boreal Spring. <i>Journals of the Atmospheric Sciences</i> , 2010 , 67, 1965-1982	2.1	25
42	A one-dimensional heat transfer model of the Antarctic Ice Sheet and modeling of snow temperatures at Dome A, the summit of Antarctic Plateau. <i>Science China Earth Sciences</i> , 2010 , 53, 763-772	4.6	9
41	Analyses on the air and snow temperatures near ground with observations of an AWS at Dome A, the summit of Antarctic Plateau. <i>Science Bulletin</i> , 2010 , 55, 1430-1436		6
40	Impacts of Atlantic sea surface temperature anomalies on Indo-East Asian summer monsoon-ENSO relationship. <i>Science Bulletin</i> , 2010 , 55, 2458-2468		91
39	Temporal and spatial features of the soil moisture in boreal spring in eastern China. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 269-278		19
38	Impacts of intraseasonal oscillation on the onset and interannual variation of the Indian summer monsoon. <i>Science Bulletin</i> , 2009 , 54, 880-884	10.6	11
37	Skewness of subsurface ocean temperature in the equatorial Pacific based on assimilated data. <i>Chinese Journal of Oceanology and Limnology</i> , 2009 , 27, 600-606		3
36	Eurasian snow cover variability and its association with summer rainfall in China. <i>Advances in Atmospheric Sciences</i> , 2009 , 26, 31-44	2.9	88
35	On the association between spring Arctic sea ice concentration and Chinese summer rainfall: A further study. <i>Advances in Atmospheric Sciences</i> , 2009 , 26, 666-678	2.9	31
34	The dipole mode of the summer rainfall over East China during 1958-2001. <i>Advances in Atmospheric Sciences</i> , 2009 , 26, 727-735	2.9	19
33	On the association between spring Arctic sea ice concentration and Chinese summer rainfall. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	70

32	Comparing Occurrences and Vertical Structures of Hydrometeors between Eastern China and the Indian Monsoon Region Using CloudSat/CALIPSO Data. <i>Journal of Climate</i> , 2009 , 22, 1052-1064	4.4	47
31	Interactions between the summer mean monsoon and the intraseasonal oscillation in the Indian monsoon region. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	33
30	Distinct Modes of the East Asian Summer Monsoon*. <i>Journal of Climate</i> , 2008 , 21, 1122-1138	4.4	22
29	A New Integrated Observational System Over the Tibetan Plateau. <i>Bulletin of the American Meteorological Society</i> , 2008 , 89, 1492-1496	6.1	33
28	Quasi-Biweekly Oscillation of the Convection around Sumatra and Low-Level Tropical Circulation in Boreal Spring. <i>Monthly Weather Review</i> , 2008 , 136, 189-205	2.4	17
27	Arctic dipole anomaly and summer rainfall in Northeast China. <i>Science Bulletin</i> , 2008 , 53, 2222-2229	10.6	13
26	On the development of the GRAPES-A new generation of the national operational NWP system in China. <i>Science Bulletin</i> , 2008 , 53, 3429-3432	10.6	33
25	Role of the quasi-biweekly oscillation in the onset of convection over the Indochina Peninsula. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2007 , 133, 433-444	6.4	8
24	Roles of multi-scale disturbances over the tropical North Pacific in the turnabout of 1997/98 El Niño. <i>Advances in Atmospheric Sciences</i> , 2007 , 24, 581-590	2.9	1
23	Onset of southwesterly wind over eastern China and associated atmospheric circulation and rainfall. <i>Climate Dynamics</i> , 2007 , 28, 797-811	4.2	67
22	An Asian-Pacific teleconnection in summer tropospheric temperature and associated Asian climate variability. <i>Climate Dynamics</i> , 2007 , 29, 293-303	4.2	134
21	Interdecadal shift in the western North Pacific Summer SST anomaly in the late 1980s. <i>Science Bulletin</i> , 2007 , 52, 2559-2564		12
20	The spring soil moisture and the summer rainfall in eastern China. <i>Science Bulletin</i> , 2007 , 52, 3310-3312		47
19	Possible mechanism of the effect of convection over Asian-Australian land bridge on the East Asian summer monsoon onset. <i>Science in China Series D: Earth Sciences</i> , 2006 , 49, 1223-1232		5
18	Distinct Modes of the East Asian Winter Monsoon. <i>Monthly Weather Review</i> , 2006 , 134, 2165-2179	2.4	72
17	Decadal variations of temperature and geopotential height over the Tibetan Plateau and their relations with Tibet ozone depletion. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/a	4.9	39
16	Multiscale Variability of the River Runoff System in China and Its Long-Term Link to Precipitation and Sea Surface Temperature. <i>Journal of Hydrometeorology</i> , 2005 , 6, 550-570	3.7	18
15	Dipole anomaly in the Arctic atmosphere and winter Arctic sea ice motion. <i>Science in China Series D: Earth Sciences</i> , 2005 , 48, 1529-1536		2

14	Possible maintaining mechanism of climatological atmospheric quasi-biweekly oscillation around Sumatra. <i>Science Bulletin</i> , 2005 , 50, 1054		6
13	Recent advances in studies of the interaction between the East Asian winter and summer monsoons and ENSO cycle. <i>Advances in Atmospheric Sciences</i> , 2004 , 21, 407-424	2.9	154
12	El Niño and interannual variation of the sea surface temperature in the tropical Indian Ocean 2003 ,		1
11	Moisture Circulation over East Asia during El Niño Episode in Northern Winter, Spring and Autumn.. <i>Journal of the Meteorological Society of Japan</i> , 2002 , 80, 213-227	2.8	127
10	Dynamical effect of the zonal wind anomalies over the tropical western Pacific on ENSO cycles. <i>Science in China Series D: Earth Sciences</i> , 2001 , 44, 1089-1098		49
9	Relations of Water Vapor Transport from Indian Monsoon with That over East Asia and the Summer Rainfall in China. <i>Advances in Atmospheric Sciences</i> , 2001 , 18, 1005-1017	2.9	145
8	El Niño and the related phenomenon Southern Oscillation (ENSO): the largest signal in interannual climate variation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 11071-2	11.5	56
7	A diagnostic study of the impact of El Niño on the precipitation in China. <i>Advances in Atmospheric Sciences</i> , 1999 , 16, 229-241	2.9	362
6	The westerly anomalies over the tropical Pacific and their dynamical effect on the ENSO cycles during 1980-1994. <i>Advances in Atmospheric Sciences</i> , 1998 , 15, 135-151	2.9	14
5	Impact of El Niño on the East Asian Monsoon. <i>Journal of the Meteorological Society of Japan</i> , 1996 , 74, 49-62	2.8	565
4	Unstable tropical air-sea interaction waves and their physical mechanisms. <i>Advances in Atmospheric Sciences</i> , 1993 , 10, 61-70	2.9	8
3	Modulation of the interdecadal variation of atmospheric background flow on the recent recovery of the EAWM during the 2000s and its link with North Atlantic Arctic warming. <i>Climate Dynamics</i> , 1	4.2	0
2	ECHAM5-Simulated Impacts of Two Types of El Niño on the Winter Precipitation Anomalies in South China		3
1	Intraseasonal contributions of Arctic sea-ice loss and Pacific decadal oscillation to a century cold event during early 2020/21 winter. <i>Climate Dynamics</i> , 1	4.2	3