

Deliang Chen

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.

392
papers

15,090
citations

59
h-index

109
g-index

447
ext. papers

18,850
ext. citations

5.1
avg, IF

6.92
L-index

#	Paper	IF	Citations
392	Global water security: A shining star in the dark sky of achieving the sustainable development goals 2022 , 1, 100005		5
391	Changes of Southern Hemisphere westerlies in the future warming climate. <i>Atmospheric Research</i> , 2022 , 270, 106040	5.4	4
390	A vertical transport window of water vapor in the troposphere over the Tibetan Plateau with implications for global climate change. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 1149-1157	6.8	
389	Wind speed reconstruction from a tree-ring difference index in northeastern Inner Mongolia. <i>Dendrochronologia</i> , 2022 , 72, 125938	2.8	1
388	The negative impact of increasing temperatures on rice yields in southern China.. <i>Science of the Total Environment</i> , 2022 , 820, 153262	10.2	5
387	Large net forest loss in Cambodia's Tonle Sap Lake protected areas during 1992-2019.. <i>Ambio</i> , 2022 , 1	6.5	1
386	Estimated changes in different forms of precipitation (snow, sleet, and rain) across China: 1961-2016. <i>Atmospheric Research</i> , 2022 , 270, 106078	5.4	1
385	Glacier change in China over past decades: Spatiotemporal patterns and influencing factors. <i>Earth-Science Reviews</i> , 2022 , 226, 103926	10.2	7
384	Assessments and Corrections of GLDAS2.0 Forcing Data in Four Large Transboundary Rivers in the Tibetan Plateau and Northeast China. <i>Earth and Space Science</i> , 2022 , 9, e2020EA001576	3.1	1
383	Changes in rain and snow over the Tibetan Plateau based on IMERG and Ground-based observation. <i>Journal of Hydrology</i> , 2022 , 606, 127400	6	3
382	Arctic autumn warming since 2002 dominated by changes in moisture modulated by multiple large-scale atmospheric circulations. <i>Atmospheric Research</i> , 2022 , 265, 105879	5.4	1
381	Understanding human influence on climate change in China.. <i>National Science Review</i> , 2022 , 9, nwab113	10.8	10
380	Worldwide impacts of atmospheric vapor pressure deficit on the interannual variability of terrestrial carbon sinks.. <i>National Science Review</i> , 2022 , 9, nwab150	10.8	5
379	Snow cover persistence reverses the altitudinal patterns of warming above and below 5000m on the Tibetan Plateau. <i>Science of the Total Environment</i> , 2022 , 803, 149889	10.2	2
378	Spatiotemporal variations of land surface albedo and associated influencing factors on the Tibetan Plateau. <i>Science of the Total Environment</i> , 2022 , 804, 150100	10.2	6
377	Economic growth dominates rising potential flood risk in the Yangtze River and benefits of raising dikes from 1991 to 2015. <i>Environmental Research Letters</i> , 2022 , 17, 034046	6.2	0
376	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. <i>Science China Earth Sciences</i> , 2022 , 65, 589-600	4.6	1

375	The Contribution of Human-Induced Atmospheric Circulation Changes to the Record-Breaking Winter Precipitation Event over Beijing in February 2020. <i>Bulletin of the American Meteorological Society</i> , 2022 , 103, S55-S60	6.1	1
374	Increasing terrestrial ecosystem carbon release in response to autumn cooling and warming. <i>Nature Climate Change</i> , 2022 , 12, 380-385	21.4	2
373	Amplified wintertime Barents Sea warming linked to intensified Barents oscillation. <i>Environmental Research Letters</i> , 2022 , 17, 044068	6.2	1
372	Arctic amplification modulated by Atlantic Multidecadal Oscillation and greenhouse forcing on multidecadal to century scales.. <i>Nature Communications</i> , 2022 , 13, 1865	17.4	2
371	Deep learning projects future warming-induced vegetation growth changes under SSP scenarios. <i>Advances in Climate Change Research</i> , 2022 , 13, 251-257	4.1	0
370	Rapid urbanization induced daily maximum wind speed decline in metropolitan areas: A case study in the Yangtze River Delta (China). <i>Urban Climate</i> , 2022 , 43, 101147	6.8	1
369	Downscaling of Future Precipitation in China's Beijing-Tianjin-Hebei Region Using a Weather Generator. <i>Atmosphere</i> , 2022 , 13, 22	2.7	1
368	Warming and Increased Respiration Have Transformed an Alpine Steppe Ecosystem on the Tibetan Plateau From a Carbon Dioxide Sink Into a Source. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022 , 127,	3.7	2
367	HomogWS-se: a century-long homogenized dataset of near-surface wind speed observations since 1925 rescued in Sweden. <i>Earth System Science Data</i> , 2022 , 14, 2167-2177	10.5	
366	Contrasting characteristics, changes, and linkages of permafrost between the Arctic and the Third Pole. <i>Earth-Science Reviews</i> , 2022 , 230, 104042	10.2	4
365	Teleconnections between large-scale oceanic-atmospheric patterns and interannual surface wind speed variability across China: Regional and seasonal patterns. <i>Science of the Total Environment</i> , 2022 , 838, 156023	10.2	
364	Mining Can Exacerbate Global Degradation of Dryland. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL029493	10.4	3
363	Co-varying temperatures at 200 hPa over the Earth's three poles. <i>Science China Earth Sciences</i> , 2021 , 64, 340-350	4.6	1
362	The Role of Mesoscale Convective Systems in Precipitation in the Tibetan Plateau Region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2021JD035279	4.4	2
361	Impacts of Bias-Corrected ERA5 Initial Snow Depth on Dynamical Downscaling Simulations for the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126,	4.4	1
360	Reducing livestock snow disaster risk in the Qinghai-Tibetan Plateau due to warming and socioeconomic development. <i>Science of the Total Environment</i> , 2021 , 813, 151869	10.2	1
359	Impacts of Summer Monsoons on flood characteristics in the Lancang-Mekong River Basin. <i>Journal of Hydrology</i> , 2021 , 127256	6	0
358	Hotter and drier climate made the Mediterranean Europe and Northern Africa region a shrubbier landscape. <i>Oecologia</i> , 2021 , 197, 1111-1126	2.9	1

357	Representation of Stony Surface-Atmosphere Interactions in WRF Reduces Cold and Wet Biases for the Southern Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2021JD035291	4.4	1
356	Global Near-Surface Wind Speed Changes over the Last Decades Revealed by Reanalyses and CMIP6 Model Simulations. <i>Journal of Climate</i> , 2021 , 34, 2219-2234	4.4	9
355	Impact of climate change on sensitive marine and extreme terrestrial ecosystems: Recent progresses and future challenges : This article belongs to Ambio's 50th Anniversary Collection. Theme: Climate change impact. <i>Ambio</i> , 2021 , 50, 1141-1144	6.5	5
354	The scenario-based variations and causes of future surface soil moisture across China in the twenty-first century. <i>Environmental Research Letters</i> , 2021 , 16, 034061	6.2	1
353	Arctic warming revealed by multiple CMIP6 models: evaluation of historical simulations and quantification of future projection uncertainties. <i>Journal of Climate</i> , 2021 , 1-52	4.4	9
352	Regionalization of Seasonal Precipitation over the Tibetan Plateau and Associated Large-Scale Atmospheric Systems. <i>Journal of Climate</i> , 2021 , 34, 2635-2651	4.4	8
351	Intercomparison of ten ISI-MIP models in simulating discharges along the Lancang-Mekong River basin. <i>Science of the Total Environment</i> , 2021 , 765, 144494	10.2	2
350	Moisture source variations for summer rainfall in different intensity classes over Huaihe River Valley, China. <i>Climate Dynamics</i> , 2021 , 57, 1121-1133	4.2	4
349	The performance of CORDEX-EA-II simulations in simulating seasonal temperature and elevation-dependent warming over the Tibetan Plateau. <i>Climate Dynamics</i> , 2021 , 57, 1135-1153	4.2	1
348	Climatology of Near-Surface Daily Peak Wind Gusts Across Scandinavia: Observations and Model Simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033534	4.4	2
347	Modeling vegetation greenness and its climate sensitivity with deep-learning technology. <i>Ecology and Evolution</i> , 2021 , 11, 7335-7345	2.8	6
346	Decompositions of Taylor diagram and DISO performance criteria. <i>International Journal of Climatology</i> , 2021 , 41, 5726	3.5	10
345	Saltwater intrusion into groundwater systems in the Mekong Delta and links to global change. <i>Advances in Climate Change Research</i> , 2021 ,	4.1	5
344	Reply to Comment on "Changes of inundation area and water turbidity of Tonle Sap Lake: responses to climate changes or upstream dam construction?" <i>Environmental Research Letters</i> , 2021 , 16, 058002	6.2	1
343	Elevation-Dependent Warming Over the Tibetan Plateau From an Ensemble of CORDEX-EA Regional Climate Simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033997	4.4	5
342	Effects of cumulus parameterization and land-surface hydrology schemes on Tibetan Plateau climate simulation during the wet season: insights from the RegCM4 model. <i>Climate Dynamics</i> , 2021 , 57, 1853-1879	4.2	4
341	Uneven Warming Likely Contributed to Declining Near-Surface Wind Speeds in Northern China Between 1961 and 2016. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033637	4.4	2
340	Warming amplification over the Arctic Pole and Third Pole: Trends, mechanisms and consequences. <i>Earth-Science Reviews</i> , 2021 , 217, 103625	10.2	25

339	Evaluation of a climate simulation over the Yellow River Basin based on a regional climate model (REMO) within the CORDEX. <i>Atmospheric Research</i> , 2021 , 254, 105522	5.4	5
338	Mismatch between the population and meltwater changes creates opportunities and risks for global glacier-fed basins. <i>Science Bulletin</i> , 2021 , 67, 9-9	10.6	5
337	Links between global terrestrial water storage and large-scale modes of climatic variability. <i>Journal of Hydrology</i> , 2021 , 598, 126419	6	2
336	Impact of Synoptic Weather Types on Ground-Level Ozone Concentrations in Guangzhou, China. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2021 , 57, 169-180	2.1	4
335	Towards climate resilient urban energy systems: a review. <i>National Science Review</i> , 2021 , 8, nwaal34	10.8	17
334	Varying effects of mining development on ecological conditions and groundwater storage in dry region in Inner Mongolia of China. <i>Journal of Hydrology</i> , 2021 , 597, 125759	6	6
333	Deforestation-induced warming over tropical mountain regions regulated by elevation. <i>Nature Geoscience</i> , 2021 , 14, 23-29	18.3	20
332	Interdecadal summer warming of the Tibetan Plateau potentially regulated by a sea surface temperature anomaly in the Labrador Sea. <i>International Journal of Climatology</i> , 2021 , 41, E2633	3.5	0
331	The contributions of climate change and production area expansion to drought risk for maize in China over the last four decades. <i>International Journal of Climatology</i> , 2021 , 41, E2851	3.5	3
330	Hydroclimate changes over Sweden in the twentieth and twenty-first centuries: a millennium perspective. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2021 , 103, 103-131	1.1	3
329	Summer precipitation characteristics on the southern Tibetan plateau. <i>International Journal of Climatology</i> , 2021 , 41, E3160	3.5	1
328	Impacts of the Westerlies on Planetary Boundary Layer Growth Over a Valley on the North Side of the Central Himalayas. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033928	4.4	4
327	A decline of observed daily peak wind gusts with distinct seasonality in Australia, 1941-2016. <i>Journal of Climate</i> , 2021 , 1-63	4.4	1
326	Quantifying Human-Induced Dynamic and Thermodynamic Contributions to Severe Cold Outbreaks Like November 2019 in the Eastern United States. <i>Bulletin of the American Meteorological Society</i> , 2021 , 102, S17-S23	6.1	2
325	How Were the Eastward-Moving Heavy Rainfall Events from the Tibetan Plateau to the Lower Reaches of the Yangtze River Enhanced?. <i>Journal of Climate</i> , 2021 , 34, 607-620	4.4	6
324	Chlorophyll-a concentrations in 82 large alpine lakes on the Tibetan Plateau during 2003-2017: temporal-spatial variations and influencing factors. <i>International Journal of Digital Earth</i> , 2021 , 14, 714-735	3.9	4
323	Added value of kilometer-scale modeling over the third pole region: a CORDEX-CPTP pilot study. <i>Climate Dynamics</i> , 2021 , 57, 1673-1687	4.2	19
322	Historical and future climates over the upper and middle reaches of the Yellow River Basin simulated by a regional climate model in CORDEX. <i>Climate Dynamics</i> , 2021 , 56, 2749-2771	4.2	6

321	Indication of paleoecological evidence on the evolution of alpine vegetation productivity and soil erosion in central China since the mid-Holocene. <i>Science China Earth Sciences</i> , 2021 , 64, 1774	4.6	1
320	Assessment of Central Asian heat extremes by statistical downscaling: Validation and future projection for 2015-2100. <i>Advances in Climate Change Research</i> , 2021 , 13, 14-14	4.1	0
319	Past and Future Changes in Climate and Water Resources in the Lancang-Mekong River Basin: Current Understanding and Future Research Directions. <i>Engineering</i> , 2021 ,	9.7	1
318	Summer afternoon precipitation associated with wind convergence near the Himalayan glacier fronts. <i>Atmospheric Research</i> , 2021 , 259, 105658	5.4	1
317	Can reservoir regulation mitigate future climate change induced hydrological extremes in the Lancang-Mekong River Basin?. <i>Science of the Total Environment</i> , 2021 , 785, 147322	10.2	16
316	Multidecadal variability of the Tonle Sap Lake flood pulse regime. <i>Hydrological Processes</i> , 2021 , 35, e14333	3.7	6
315	Middle East Climate Response to the Saharan Vegetation Collapse during the Mid-Holocene. <i>Journal of Climate</i> , 2021 , 34, 229-242	4.4	2
314	General overestimation of ERA5 precipitation in flow simulations for High Mountain Asia basins. <i>Environmental Research Communications</i> , 2021 , 3, 121003	3.1	2
313	More frequent summer heat waves in southwestern China linked to the recent declining of Arctic sea ice. <i>Environmental Research Letters</i> , 2020 , 15, 074011	6.2	14
312	Sensitivity of soil freeze/thaw dynamics to environmental conditions at different spatial scales in the central Tibetan Plateau. <i>Science of the Total Environment</i> , 2020 , 734, 139261	10.2	7
311	Remote sensing spatiotemporal patterns of frozen soil and the environmental controls over the Tibetan Plateau during 2002-2016. <i>Remote Sensing of Environment</i> , 2020 , 247, 111927	13.2	18
310	Simulation of summer precipitation diurnal cycles over the Tibetan Plateau at the gray-zone grid spacing for cumulus parameterization. <i>Climate Dynamics</i> , 2020 , 54, 3525-3539	4.2	31
309	What Caused the Decline of Water Level of Yamzho Yumco During 1975-2012 in the Southern Tibetan Plateau?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD031121	4.4	2
308	A Model-Based Flood Hazard Mapping on the Southern Slope of Himalaya. <i>Water (Switzerland)</i> , 2020 , 12, 540	3	16
307	Quantifying Water Scarcity in Northern China Within the Context of Climatic and Societal Changes and South-to-North Water Diversion. <i>Earth's Future</i> , 2020 , 8, e2020EF001492	7.9	9
306	Near-surface mean and gust wind speeds in ERA5 across Sweden: towards an improved gust parametrization. <i>Climate Dynamics</i> , 2020 , 55, 887-907	4.2	22
305	Impacts of anthropogenic warming and uneven regional socio-economic development on global river flood risk. <i>Journal of Hydrology</i> , 2020 , 590, 125262	6	12
304	Dynamical downscaling simulation and projection for mean and extreme temperature and precipitation over central Asia. <i>Climate Dynamics</i> , 2020 , 54, 3279-3306	4.2	17

303	Quantifying the impacts of climate change and extreme climate events on energy systems. <i>Nature Energy</i> , 2020 , 5, 150-159	62.3	121
302	Conditional Attribution of the 2018 Summer Extreme Heat over Northeast China: Roles of Urbanization, Global Warming, and Warming-Induced Circulation Changes. <i>Bulletin of the American Meteorological Society</i> , 2020 , 101, S71-S76	6.1	7
301	Flood impact on Mainland Southeast Asia between 1985 and 2018—the role of tropical cyclones. <i>Journal of Flood Risk Management</i> , 2020 , 13, e12598	3.1	16
300	Enhancement of the summer extreme precipitation over North China by interactions between moisture convergence and topographic settings. <i>Climate Dynamics</i> , 2020 , 54, 2713-2730	4.2	14
299	Variability of Daily Maximum Wind Speed across China, 1975–2016: An Examination of Likely Causes. <i>Journal of Climate</i> , 2020 , 33, 2793-2816	4.4	16
298	Temporal and spatial variations of convection, clouds and precipitation over the Tibetan Plateau from recent satellite observations. Part II: Precipitation climatology derived from global precipitation measurement mission. <i>International Journal of Climatology</i> , 2020 , 40, 4858-4875	3.5	10
297	The Rapid Intensification of East Asian Cyclones Around the Korean Peninsula and Their Surface Impacts. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD031632	4.4	3
296	Similarities and Differences in the Mechanisms Causing the European Summer Heatwaves in 2003, 2010, and 2018. <i>Earth's Future</i> , 2020 , 8, e2019EF001386	7.9	29
295	Discharge Estimates for Ungauged Rivers Flowing over Complex High-Mountainous Regions based Solely on Remote Sensing-Derived Datasets. <i>Remote Sensing</i> , 2020 , 12, 1064	5	6
294	A climatology of surface–air temperature difference over the Tibetan Plateau: Results from multi-source reanalyses. <i>International Journal of Climatology</i> , 2020 , 40, 6080-6094	3.5	15
293	Contrasting precipitation gradient characteristics between westerlies and monsoon dominated upstream river basins in the Third Pole. <i>Chinese Science Bulletin</i> , 2020 , 65, 91-104	2.9	9
292	Effects of sensor response and moving average filter duration on maximum wind gust measurements. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2020 , 206, 104354	3.7	7
291	Effects of the South Asian summer monsoon anomaly on interannual variations in precipitation over the South-Central Tibetan Plateau. <i>Environmental Research Letters</i> , 2020 , 15, 124067	6.2	7
290	Extratropical cyclones over East Asia: climatology, seasonal cycle, and long-term trend. <i>Climate Dynamics</i> , 2020 , 54, 1131-1144	4.2	14
289	Synergy of orographic drag parameterization and high resolution greatly reduces biases of WRF-simulated precipitation in central Himalaya. <i>Climate Dynamics</i> , 2020 , 54, 1729-1740	4.2	30
288	Boreal Winter Surface Air Temperature Responses to Large Tropical Volcanic Eruptions in CMIP5 Models. <i>Journal of Climate</i> , 2020 , 33, 2407-2426	4.4	2
287	Drivers of change in China's energy-related CO emissions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 29-36	11.5	85
286	A hybrid method for PM2.5 source apportionment through WRF-Chem simulations and an assessment of emission-reduction measures in western China. <i>Atmospheric Research</i> , 2020 , 236, 104787	5.4	7

285	Influences of synoptic situation and teleconnections on fog-water collection in the Mediterranean Iberian Peninsula, 2003-2012. <i>International Journal of Climatology</i> , 2020 , 40, 3297-3317	3.5	2
284	Divergent sensitivity of surface water and energy variables to precipitation product uncertainty in the Tibetan Plateau. <i>Journal of Hydrology</i> , 2020 , 581, 124338	6	6
283	Impacts of climate change and reservoir operation on streamflow and flood characteristics in the Lancang-Mekong River Basin. <i>Journal of Hydrology</i> , 2020 , 590, 125472	6	29
282	Elevation dependent warming over the Tibetan Plateau: Patterns, mechanisms and perspectives. <i>Earth-Science Reviews</i> , 2020 , 210, 103349	10.2	33
281	Influential Climate Teleconnections for Spatiotemporal Precipitation Variability in the Lancang-Mekong River Basin From 1952 to 2015. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2020JD033331	4.4	7
280	Global and Polar Region Temperature Change Induced by Single Mega Volcanic Eruption Based on Community Earth System Model Simulation. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089416	4.9	4
279	Large lakes over the Tibetan Plateau may boost snow downwind: implications for snow disaster. <i>Science Bulletin</i> , 2020 , 65, 1713-1717	10.6	7
278	Extreme hot days over three global mega-regions: Historical fidelity and future projection. <i>Atmospheric Science Letters</i> , 2020 , 21, e1003	2.4	3
277	Abrupt shift to hotter and drier climate over inner East Asia beyond the tipping point. <i>Science</i> , 2020 , 370, 1095-1099	33.3	54
276	Progress and Challenges in Studying Regional Permafrost in the Tibetan Plateau Using Satellite Remote Sensing and Models. <i>Frontiers in Earth Science</i> , 2020 , 8,	3.5	2
275	Global monsoon response to tropical and Arctic stratospheric aerosol injection. <i>Climate Dynamics</i> , 2020 , 55, 2107-2121	4.2	4
274	Can summer monsoon moisture invade the Jade Pass in Northwestern China?. <i>Climate Dynamics</i> , 2020 , 55, 3101-3115	4.2	5
273	Summary of a workshop on extreme weather events in a warming world organized by the Royal Swedish Academy of Sciences. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2020 , 72, 1-13	3.3	3
272	Projected precipitation changes over China for global warming levels at 1.5 °C and 2 °C in an ensemble of regional climate simulations: impact of bias correction methods. <i>Climatic Change</i> , 2020 , 162, 623-643	4.5	6
271	A robust equatorial Pacific westerly response to tropical volcanism in multiple models. <i>Climate Dynamics</i> , 2020 , 55, 3413-3429	4.2	6
270	On the sensitivity of seasonal and diurnal precipitation to cumulus parameterization over CORDEX-EA-II. <i>Climate Dynamics</i> , 2020 , 54, 373-393	4.2	11
269	Cryosphere Services and Human Well-Being. <i>Sustainability</i> , 2019 , 11, 4365	3.6	12
268	Oceanic and atmospheric modes in the Pacific and Atlantic Oceans since the Little Ice Age (LIA): Towards a synthesis. <i>Quaternary Science Reviews</i> , 2019 , 215, 293-307	3.9	10

267	Spatio-temporal variability of fog-water collection in the eastern Iberian Peninsula: 2003–2012. <i>Atmospheric Research</i> , 2019 , 226, 87-101	5.4	4
266	Temporal and spatial variations of convection and precipitation over the Tibetan Plateau based on recent satellite observations. Part I: Cloud climatology derived from CloudSat and CALIPSO. <i>International Journal of Climatology</i> , 2019 , 39, 5396-5412	3.5	10
265	An approach to homogenize daily peak wind gusts: An application to the Australian series. <i>International Journal of Climatology</i> , 2019 , 39, 2260-2277	3.5	12
264	Tropical cyclone rainfall in the Mekong River Basin for 1983–2016. <i>Atmospheric Research</i> , 2019 , 226, 66-75	5.4	13
263	More realistic land-use and vegetation parameters in a regional climate model reduce model biases over China. <i>International Journal of Climatology</i> , 2019 , 39, 4825-4837	3.5	5
262	Dry gets drier, wet gets wetter—A case study over the arid regions of central Asia. <i>International Journal of Climatology</i> , 2019 , 39, 1072-1091	3.5	44
261	How Northern High-Latitude Volcanic Eruptions in Different Seasons Affect ENSO. <i>Journal of Climate</i> , 2019 , 32, 3245-3262	4.4	19
260	The Formation of a Dry-Belt in the North Side of Central Himalaya Mountains. <i>Geophysical Research Letters</i> , 2019 , 46, 2993-3000	4.9	6
259	Linking atmospheric pollution to cryospheric change in the Third Pole region: current progress and future prospects. <i>National Science Review</i> , 2019 , 6, 796-809	10.8	164
258	Impact of near-surface wind speed variability on wind erosion in the eastern agro-pastoral transitional zone of Northern China, 1982–2016. <i>Agricultural and Forest Meteorology</i> , 2019 , 271, 102-115	5.8	30
257	Anthropogenic Aerosols Cause Recent Pronounced Weakening of Asian Summer Monsoon Relative to Last Four Centuries. <i>Geophysical Research Letters</i> , 2019 , 46, 5469-5479	4.9	38
256	A new perspective on solar dimming over the Tibetan Plateau. <i>International Journal of Climatology</i> , 2019 , 39, 302-316	3.5	3
255	Summer Temperature over the Tibetan Plateau Modulated by Atlantic Multidecadal Variability. <i>Journal of Climate</i> , 2019 , 32, 4055-4067	4.4	13
254	Climate change induced eutrophication of cold-water lake in an ecologically fragile nature reserve. <i>Journal of Environmental Sciences</i> , 2019 , 75, 359-369	6.4	14
253	Variability of winter haze over the Beijing-Tianjin-Hebei region tied to wind speed in the lower troposphere and particulate sources. <i>Atmospheric Research</i> , 2019 , 215, 1-11	5.4	31
252	Interdecadal modulation of the Atlantic Multi-decadal Oscillation (AMO) on southwest China's temperature over the past 250 years. <i>Climate Dynamics</i> , 2019 , 52, 2055-2065	4.2	13
251	Forty years of reform and opening up: China's progress toward a sustainable path. <i>Science Advances</i> , 2019 , 5, eaau9413	14.3	98
250	Increase in Surface Friction Dominates the Observed Surface Wind Speed Decline during 1973–2014 in the Northern Hemisphere Lands. <i>Journal of Climate</i> , 2019 , 32, 7421-7435	4.4	24

249	A new global gridded anthropogenic heat flux dataset with high spatial resolution and long-term time series. <i>Scientific Data</i> , 2019 , 6, 139	8.2	21
248	Response of Groundwater Storage and Recharge in the Qaidam Basin (Tibetan Plateau) to Climate Variations From 2002 to 2016. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 9918-9934	4.4	17
247	Development and Evaluation of an Ensemble-Based Data Assimilation System for Regional Reanalysis Over the Tibetan Plateau and Surrounding Regions. <i>Journal of Advances in Modeling Earth Systems</i> , 2019 , 11, 2503-2522	7.1	21
246	Growth decline of <i>Pinus Massoniana</i> in response to warming induced drought and increasing intrinsic water use efficiency in humid subtropical China. <i>Dendrochronologia</i> , 2019 , 57, 125609	2.8	7
245	Northern Hemisphere Land Monsoon Precipitation Increased by the Green Sahara During Middle Holocene. <i>Geophysical Research Letters</i> , 2019 , 46, 9870-9879	4.9	10
244	Contrasting synoptic weather patterns between non-dust high particulate matter events and Asian dust events in Seoul, South Korea. <i>Atmospheric Environment</i> , 2019 , 214, 116864	5.3	15
243	Surface energy budget diagnosis reveals possible mechanism for the different warming rate among Earth's three poles in recent decades. <i>Science Bulletin</i> , 2019 , 64, 1140-1143	10.6	27
242	Groundwater Depletion Estimated from GRACE: A Challenge of Sustainable Development in an Arid Region of Central Asia. <i>Remote Sensing</i> , 2019 , 11, 1908	5	23
241	The Amplified Arctic Warming in the Recent Decades may Have Been Overestimated by CMIP5 Models. <i>Geophysical Research Letters</i> , 2019 , 46, 13338-13345	4.9	9
240	Recent recovery of the boreal spring sensible heating over the Tibetan Plateau will continue in CMIP6 future projections. <i>Environmental Research Letters</i> , 2019 , 14, 124066	6.2	13
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