

Deliang Chen

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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	Asian emissions in 2006 for the NASA INTEX-B mission. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 5131-5153	6.53	1699
391	Analysis of spatial distribution and temporal trend of reference evapotranspiration and pan evaporation in Changjiang (Yangtze River) catchment. <i>Journal of Hydrology</i> , 2006 , 327, 81-93	6	425
390	Environment and development. Earth system science for global sustainability: grand challenges. <i>Science</i> , 2010 , 330, 916-7	33.3	382
389	Sensitivity of the Penman-Monteith reference evapotranspiration to key climatic variables in the Changjiang (Yangtze River) basin. <i>Journal of Hydrology</i> , 2006 , 329, 620-629	6	300
388	Evaluation of the Global Climate Models in the CMIP5 over the Tibetan Plateau. <i>Journal of Climate</i> , 2013 , 26, 3187-3208	4.4	295
387	Using the Köppen classification to quantify climate variation and change: An example for 1901-2010. <i>Environmental Development</i> , 2013 , 6, 69-79	4.1	294
386	Indices for daily temperature and precipitation extremes in Europe analyzed for the period 1901-2000. <i>Journal of Geophysical Research</i> , 2006 , 111,		293
385	Evaporative cooling over the Tibetan Plateau induced by vegetation growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 9299-304	11.5	270
384	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
383	The Beijing Climate Center atmospheric general circulation model: description and its performance for the present-day climate. <i>Climate Dynamics</i> , 2010 , 34, 123-147	4.2	224
382	Heavy pollution suppresses light rain in China: Observations and modeling. <i>Journal of Geophysical Research</i> , 2009 , 114,		219
381	Annual temperatures during the last 2485 years in the mid-eastern Tibetan Plateau inferred from tree rings. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 348-359		194
380	Comparison of the Thornthwaite method and pan data with the standard Penman-Monteith estimates of reference evapotranspiration in China. <i>Climate Research</i> , 2005 , 28, 123-132	1.6	182
379	Description and basic evaluation of Beijing Normal University Earth System Model (BNU-ESM) version 1. <i>Geoscientific Model Development</i> , 2014 , 7, 2039-2064	6.3	180
378	Empirical-Statistical Downscaling 2008 ,		177
377	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
376	Trend of estimated actual evapotranspiration over China during 1960-2002. <i>Journal of Geophysical Research</i> , 2007 , 112,		164

375	Comparison of seven models for estimation of evapotranspiration and groundwater recharge using lysimeter measurement data in Germany. <i>Hydrological Processes</i> , 2005 , 19, 3717-3734	3.3	143
374	Extensive and drastically different alpine lake changes on Asia's high plateaus during the past four decades. <i>Geophysical Research Letters</i> , 2017 , 44, 252-260	4.9	141
373	The influence of wind and topography on precipitation distribution in Sweden: statistical analysis and modelling. <i>International Journal of Climatology</i> , 2003 , 23, 1523-1535	3.5	135
372	Statistical downscaling of climate scenarios over Scandinavia. <i>Climate Research</i> , 2005 , 29, 255-268	1.6	135
371	Evaluation of WRF Mesoscale Climate Simulations over the Tibetan Plateau during 1979-2011. <i>Journal of Climate</i> , 2015 , 28, 2823-2841	4.4	125
370	Spatial and temporal variations and controlling factors of potential evapotranspiration in China: 1956-2000. <i>Journal of Chinese Geography</i> , 2006 , 16, 3-12	3.7	123
369	Quantifying the impacts of climate change and extreme climate events on energy systems. <i>Nature Energy</i> , 2020 , 5, 150-159	62.3	121
368	Hydrological response to future climate changes for the major upstream river basins in the Tibetan Plateau. <i>Global and Planetary Change</i> , 2016 , 136, 82-95	4.2	120
367	A monthly circulation climatology for Sweden and its application to a winter temperature case study. <i>International Journal of Climatology</i> , 2000 , 20, 1067-1076	3.5	116
366	A reversal in global terrestrial stilling and its implications for wind energy production. <i>Nature Climate Change</i> , 2019 , 9, 979-985	21.4	115
365	The influence of the North Atlantic Oscillation on the regional temperature variability in Sweden: spatial and temporal variations. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 1999 , 51, 505-516	5.2	101
364	Long-range transport of air pollutants originating in China: A possible major cause of multi-day high-PM10 episodes during cold season in Seoul, Korea. <i>Atmospheric Environment</i> , 2015 , 109, 23-30	5.3	99
363	Forty years of reform and opening up: China's progress toward a sustainable path. <i>Science Advances</i> , 2019 , 5, eaau9413	14.3	98
362	Recent Changes in the Moisture Source of Precipitation over the Tibetan Plateau. <i>Journal of Climate</i> , 2017 , 30, 1807-1819	4.4	97
361	Keeping global warming within 1.5 °C constrains emergence of aridification. <i>Nature Climate Change</i> , 2018 , 8, 70-74	21.4	96
360	Impacts of different emission sources on air quality during March 2001 in the Pearl River Delta (PRD) region. <i>Atmospheric Environment</i> , 2005 , 39, 5227-5241	5.3	96
359	Evaluation of evapotranspiration estimates for two river basins on the Tibetan Plateau by a water balance method. <i>Journal of Hydrology</i> , 2013 , 492, 290-297	6	91
358	Weekly cycle of aerosol-meteorology interaction over China. <i>Journal of Geophysical Research</i> , 2007 , 112,		90

357	Performance of statistical downscaling models in GCM validation and regional climate change estimates: application for Swedish precipitation. <i>International Journal of Climatology</i> , 2001 , 21, 557-578	3.5	88
356	Comparison of climate change scenarios for Sweden based on statistical and dynamical downscaling of monthly precipitation. <i>Climate Research</i> , 2001 , 19, 45-55	1.6	88
355	Aridity changes in the Tibetan Plateau in a warming climate. <i>Environmental Research Letters</i> , 2015 , 10, 034013	6.2	87
354	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
353	Daily precipitation-downscaling techniques in three Chinese regions. <i>Water Resources Research</i> , 2006 , 42,	5.4	83
352	Variation of tropical cyclone activity in the South Indian Ocean: El Niño Southern Oscillation and Madden-Julian Oscillation effects. <i>Journal of Geophysical Research</i> , 2006 , 111,		83
351	Recent enhancement of central Pacific El Niño variability relative to last eight centuries. <i>Nature Communications</i> , 2017 , 8, 15386	17.4	82
350	Temperature variations recorded in <i>Pinus tabulaeformis</i> tree rings from the southern and northern slopes of the central Qinling Mountains, central China. <i>Boreas</i> , 2009 , 38, 285-291	2.4	82
349	Estimating continental river basin discharges using multiple remote sensing data sets. <i>Remote Sensing of Environment</i> , 2016 , 179, 36-53	13.2	82
348	Climatic and associated cryospheric, biospheric, and hydrological changes on the Tibetan Plateau: a review. <i>International Journal of Climatology</i> , 2018 , 38, e1-e17	3.5	80
347	Interannual teleconnections between the summer North Atlantic Oscillation and the East Asian summer monsoon. <i>Journal of Geophysical Research</i> , 2011 , 116,		80
346	Spatial interpolation of daily precipitation in China: 1951-2005. <i>Advances in Atmospheric Sciences</i> , 2010 , 27, 1221-1232	2.9	80
345	Twentieth-century trends in the thermal growing season in the Greater Baltic Area. <i>Climatic Change</i> , 2008 , 87, 405-419	4.5	80
344	Influence of atmospheric circulation on the maximum ice extent in the Baltic Sea. <i>Journal of Geophysical Research</i> , 2001 , 106, 4493-4500		75
343	Recent recovery of the Siberian High intensity. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		74
342	Land-use change: Impacts of climate variations and policies among small-scale farmers in the Loess Plateau, China. <i>Land Use Policy</i> , 2006 , 23, 361-371	5.6	73
341	Near-surface air temperature lapse rates in the mainland China during 1962-2011. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 7505-7515	4.4	72
340	A method for finding sea breeze days under stable synoptic conditions and its application to the Swedish west coast. <i>International Journal of Climatology</i> , 1998 , 18, 901-914	3.5	72

339	An Earth-System Prediction Initiative for the Twenty-First Century. <i>Bulletin of the American Meteorological Society</i> , 2010 , 91, 1377-1388	6.1	71
338	Large increase in heavy rainfall associated with tropical cyclone landfalls in Korea after the late 1970s. <i>Geophysical Research Letters</i> , 2006 , 33, n/a-n/a	4.9	70
337	A comparative analysis of nebkhas in central Tunisia and northern Burkina Faso. <i>Geomorphology</i> , 1998 , 22, 181-192	4.3	68
336	Climate Variability and Land-use Change in Danangou Watershed, China Examples of Small-Scale Farmers' Adaptation. <i>Climatic Change</i> , 2005 , 72, 189-212	4.5	68
335	Comparing global precipitation data sets in eastern Africa: a case study of Kilombero Valley, Tanzania. <i>International Journal of Climatology</i> , 2016 , 36, 2000-2014	3.5	66
334	Changes of effective temperature and cold/hot days in late decades over China based on a high resolution gridded observation dataset. <i>International Journal of Climatology</i> , 2017 , 37, 788-800	3.5	63
333	Impact of model resolution on simulating the water vapor transport through the central Himalayas: implication for models' wet bias over the Tibetan Plateau. <i>Climate Dynamics</i> , 2018 , 51, 3195-3207	4.2	59
332	Trends of daily peak wind gusts in Spain and Portugal, 1961-2014. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 1059-1078	4.4	59
331	Diurnal variations of precipitation during the warm season over China. <i>International Journal of Climatology</i> , 2009 , 29, 1154-1170	3.5	59
330	Spectral analysis of weekly variation in PM10 mass concentration and meteorological conditions over China. <i>Atmospheric Environment</i> , 2008 , 42, 655-666	5.3	59
329	El Niño Southern Oscillation and North Atlantic Oscillation Control of Climate in Puerto Rico. <i>Journal of Climate</i> , 1998 , 11, 2713-2717	4.4	59
328	Spatial and temporal characteristics of actual evapotranspiration over Haihe River basin in China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2012 , 26, 655-669	3.5	58
327	Extreme rainfall events in southern Sweden: where does the moisture come from?. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2010 , 62, 605-616	2	58
326	State of the Climate in 2008. <i>Bulletin of the American Meteorological Society</i> , 2009 , 90, S1-S196	6.1	57
325	Statistical downscaling of daily precipitation over Sweden using GCM output. <i>Theoretical and Applied Climatology</i> , 2009 , 96, 95-103	3	55
324	Evaluation of three global gridded precipitation data sets in central Asia based on rain gauge observations. <i>International Journal of Climatology</i> , 2018 , 38, 3475-3493	3.5	55
323	Impacts of Snow Initialization on Subseasonal Forecasts of Surface Air Temperature for the Cold Season. <i>Journal of Climate</i> , 2013 , 26, 1956-1972	4.4	54
322	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

321	Summer High Temperature Extremes in Southeast China: Bonding with the El Niño Southern Oscillation and East Asian Summer Monsoon Coupled System. <i>Journal of Climate</i> , 2014 , 27, 4122-4138	4.4	53
320	Decreasing reference evapotranspiration in a warming climate—A case of Changjiang (Yangtze) River catchment during 1970–2000. <i>Advances in Atmospheric Sciences</i> , 2006 , 23, 513-520	2.9	53
319	Variation and co-variation of PM10, particle number concentration, NOx and NO2 in the urban air—Relationships with wind speed, vertical temperature gradient and weather type. <i>Atmospheric Environment</i> , 2015 , 120, 317-327	5.3	51
318	Evaluation of global climate models in simulating extreme precipitation in China. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2013 , 65, 19799	2	51
317	A multi-year study of sea breezes in a Mediterranean coastal site: Alicante (Spain). <i>International Journal of Climatology</i> , 2011 , 31, 468-486	3.5	51
316	Seasonal evapotranspiration changes (1983–2006) of four large basins on the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 13,079-13,095	4.4	49
315	Modeling the Origin of Anthropogenic Black Carbon and Its Climatic Effect Over the Tibetan Plateau and Surrounding Regions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 671-692	4.4	49
314	Observation and calculation of the solar radiation on the Tibetan Plateau. <i>Energy Conversion and Management</i> , 2012 , 57, 23-32	10.6	48
313	Influence of geographical factors and meteorological variables on nocturnal urban-park temperature differences—a case study of summer 1995 in Göteborg, Sweden. <i>Climate Research</i> , 1999 , 13, 125-139	1.6	48
312	Evaluation of Precipitable Water Vapor from Four Satellite Products and Four Reanalysis Datasets against GPS Measurements on the Southern Tibetan Plateau. <i>Journal of Climate</i> , 2017 , 30, 5699-5713	4.4	47
311	Quantification of the relative role of land-surface processes and large-scale forcing in dynamic downscaling over the Tibetan Plateau. <i>Climate Dynamics</i> , 2017 , 48, 1705-1721	4.2	47
310	Trends in graded precipitation in China from 1961 to 2000. <i>Advances in Atmospheric Sciences</i> , 2008 , 25, 267-278	2.9	47
309	. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2001 , 53, 348-367	2	46
308	Development of a land surface model with coupled snow and frozen soil physics. <i>Water Resources Research</i> , 2017 , 53, 5085-5103	5.4	45
307	Impacts of wind stilling on solar radiation variability in China. <i>Scientific Reports</i> , 2015 , 5, 15135	4.9	45
306	A climatological study of the influence of synoptic-scale flows on sea breeze evolution in the Bay of Alicante (Spain). <i>Theoretical and Applied Climatology</i> , 2009 , 96, 249-260	3	45
305	Stratospheric origin of cold surge occurrence in East Asia. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	45
304	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

303	Large-scale circulation classification and its links to observed precipitation in the eastern and central Tibetan Plateau. <i>Climate Dynamics</i> , 2016 , 46, 3481-3497	4.2	43
302	Water Vapor Transport and Moisture Budget over Eastern China: Remote Forcing from the Two Types of El Niño. <i>Journal of Climate</i> , 2014 , 27, 8778-8792	4.4	43
301	Quantification of total emission of air pollutants from Beijing using mobile mini-DOAS. <i>Atmospheric Environment</i> , 2008 , 42, 6926-6933	5.3	43
300	Urban aerosol evolution and particle formation during wintertime temperature inversions. <i>Atmospheric Environment</i> , 2009 , 43, 340-346	5.3	42
299	Diurnal variations of summer precipitation in the Beijing area and the possible effect of topography and urbanization. <i>Advances in Atmospheric Sciences</i> , 2011 , 28, 725-734	2.9	40
298	Evaluation and Comparison of Noah and Pleim-Xiu Land Surface Models in MM5 Using GPCP2001 Data: Spatial and Temporal Variations in Near-Surface Air Temperature. <i>Journal of Applied Meteorology and Climatology</i> , 2007 , 46, 1587-1605	2.7	40
297	Modelling precipitation in Sweden using multiple step markov chains and a composite model. <i>Journal of Hydrology</i> , 2008 , 363, 42-59	6	39
296	Moisture Source Changes Contributed to Different Precipitation Changes over the Northern and Southern Tibetan Plateau. <i>Journal of Hydrometeorology</i> , 2019 , 20, 217-229	3.7	39
295	Assessing reliability of precipitation data over the Mekong River Basin: A comparison of ground-based, satellite, and reanalysis datasets. <i>International Journal of Climatology</i> , 2018 , 38, 4314-4334	3.5	39
294	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
293	Homogenization and Assessment of Observed Near-Surface Wind Speed Trends across Sweden, 1956-2013. <i>Journal of Climate</i> , 2016 , 29, 7397-7415	4.4	38
292	Using statistical downscaling to quantify the GCM-related uncertainty in regional climate change scenarios: A case study of Swedish precipitation. <i>Advances in Atmospheric Sciences</i> , 2006 , 23, 54-60	2.9	38
291	Droughts near the northern fringe of the East Asian summer monsoon in China during 1470-2003. <i>Climatic Change</i> , 2012 , 110, 373-383	4.5	37
290	Reconstruction of river runoff to the Baltic Sea, AD 1500-1995. <i>International Journal of Climatology</i> , 2011 , 31, 696-703	3.5	37
289	Simulated long-term effects of different soil management regimes on the water balance in the Loess Plateau, China. <i>Field Crops Research</i> , 2007 , 100, 311-319	5.5	36
288	Evaluation of the warm season diurnal cycle of precipitation over Sweden simulated by the Rossby Centre regional climate model RCA3. <i>Atmospheric Research</i> , 2013 , 119, 131-139	5.4	35
287	The dual-beam mini-DOAS technique—measurements of volcanic gas emission, plume height and plume speed with a single instrument. <i>Bulletin of Volcanology</i> , 2009 , 71, 747-751	2.4	35
286	Precipitation data in a mountainous catchment in Honduras: quality assessment and spatiotemporal characteristics. <i>Theoretical and Applied Climatology</i> , 2010 , 101, 381-396	3	35

285	Does summer precipitation trend over and around the Tibetan Plateau depend on elevation?. <i>International Journal of Climatology</i> , 2017 , 37, 1278-1284	3.5	34
284	Elevation dependent warming over the Tibetan Plateau: Patterns, mechanisms and perspectives. <i>Earth-Science Reviews</i> , 2020 , 210, 103349	10.2	33
283	Recent trends in wind speed across Saudi Arabia, 1978-2013: a break in the stilling. <i>International Journal of Climatology</i> , 2018 , 38, e966-e984	3.5	32
282	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
281	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
280	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
279	Variability in dryness and wetness in central Finland and the role of teleconnection patterns. <i>Theoretical and Applied Climatology</i> , 2015 , 122, 471-486	3	30
278	Interannual variations and trends in surface air temperature in Finland in relation to atmospheric circulation patterns, 1961-2011. <i>International Journal of Climatology</i> , 2015 , 35, 3078-3092	3.5	30
277	State of the Climate in 2005. <i>Bulletin of the American Meteorological Society</i> , 2006 , 87, s1-s102	6.1	30
276	Comparison of the impact of regional and North Atlantic atmospheric circulation on an aquatic ecosystem. <i>Climate Research</i> , 2003 , 23, 131-136	1.6	30
275	Temporal and spatial variability of dryness/wetness in China during the last 530 years. <i>Theoretical and Applied Climatology</i> , 2003 , 76, 13-29	3	30
274	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
273	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
272	Effects of climate change on heating and cooling degree days and potential energy demand in the household sector of China. <i>Climate Research</i> , 2016 , 67, 135-149	1.6	29
271	Greening in the circumpolar high-latitude may amplify warming in the growing season. <i>Climate Dynamics</i> , 2012 , 38, 1421-1431	4.2	29
270	Development of selection algorithms and databases for sea breeze studies. <i>Theoretical and Applied Climatology</i> , 2011 , 106, 531-546	3	29
269	Anticyclonic atmospheric circulation as an analogue for the warm and dry mid-Holocene summer climate in central Scandinavia. <i>Climate of the Past</i> , 2008 , 4, 215-224	3.9	29
268	Increasing risk for negative ozone impacts on vegetation in northern Sweden. <i>Environmental Pollution</i> , 2007 , 150, 96-106	9.3	29

267	Statistical downscaling and scenario construction of precipitation in Scania, southern Sweden 2004 , 35, 261-278		29
266	Temporal and spatial variability of precipitation in Sweden and its link with the large-scale atmospheric circulation. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2001 , 53, 348-367	2	29
265	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
264	Evaluation of global climate models for downscaling applications centred over the Tibetan Plateau. <i>International Journal of Climatology</i> , 2017 , 37, 657-671	3.5	28
263	Statistical downscaling of summer temperature extremes in northern China. <i>Advances in Atmospheric Sciences</i> , 2013 , 30, 1085-1095	2.9	28
262	Evaluating anemometer drift: A statistical approach to correct biases in wind speed measurement. <i>Atmospheric Research</i> , 2018 , 203, 175-188	5.4	27
261	Trends in extreme precipitation indices across China detected using quantile regression. <i>Atmospheric Science Letters</i> , 2016 , 17, 400-406	2.4	27
260	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
259	Tracing changes in atmospheric moisture supply to the drying Southwest China. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 10383-10393	6.8	26
258	Diurnal cycle of precipitation amount and frequency in Sweden: observation versus model simulation. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2011 , 63, 664-674	2	26
257	Stochastic modeling of daily precipitation in China. <i>Journal of Chinese Geography</i> , 2004 , 14, 417-426	3.7	26
256	Statistical downscaling based on dynamically downscaled predictors: Application to monthly precipitation in Sweden. <i>Advances in Atmospheric Sciences</i> , 2003 , 20, 951-958	2.9	26
255	Estimation of areal precipitation for runoff modelling using wind data: a case study in Sweden. <i>Climate Research</i> , 2005 , 29, 53-61	1.6	26
254	1200 years of warm-season temperature variability in central Scandinavia inferred from tree-ring density. <i>Climate of the Past</i> , 2016 , 12, 1297-1312	3.9	26
253	Improving snow process modeling with satellite-based estimation of near-surface-air-temperature lapse rate. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 12,005-12,030	4.4	26
252	Influence of atmospheric circulation patterns on urban air quality during the winter. <i>Atmospheric Pollution Research</i> , 2015 , 6, 278-285	4.5	25
251	Trends of the thermal growing season in China, 1951-2007. <i>International Journal of Climatology</i> , 2009 , 30, n/a-n/a	3.5	25
250	Evaluation of MM5 mesoscale model at local scale for air quality applications over the Swedish west coast: Influence of PBL and LSM parameterizations. <i>Meteorology and Atmospheric Physics</i> , 2008 , 99, 77-103	2	25

249	Central Scandinavian winter precipitation variability during the past five centuries reconstructed from <i>Pinus sylvestris</i> tree rings. <i>Boreas</i> , 2005 , 34, 43-52	2.4	25
248	Warming amplification over the Arctic Pole and Third Pole: Trends, mechanisms and consequences. <i>Earth-Science Reviews</i> , 2021 , 217, 103625	10.2	25
247	Temporal and spatial changes in estimated near-surface air temperature lapse rates on Tibetan Plateau. <i>International Journal of Climatology</i> , 2018 , 38, 2907-2921	3.5	24
246	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
245	The relationship between birch pollen, air pollution and weather types and their effect on antihistamine purchase in two Swedish cities. <i>Aerobiologia</i> , 2017 , 33, 457-471	2.4	24
244	Intensified Arctic warming under greenhouse warming by vegetation-atmosphere-sea ice interaction. <i>Environmental Research Letters</i> , 2014 , 9, 094007	6.2	24
243	The surface winds of Sweden during 1999-2000. <i>International Journal of Climatology</i> , 2006 , 26, 159-178	3.5	24
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 time aspect of bioenergy climate impacts of solid biofuels due to carbon dynamics. <i>GCB Bioenergy</i> , 2015 , 7, 785-796	5.6	23
240	The use of a calculus-based cyclone identification method for generating storm statistics. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2006 , 58, 473-486	2	23
239	. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2002 , 51, 505-516	2	23
238	Climate-induced variability of sea level in Stockholm: Influence of air temperature and atmospheric circulation. <i>Advances in Atmospheric Sciences</i> , 2005 , 22, 655-664	2.9	23
237	Changes in the relationship between solar radiation and sunshine duration in large cities of China. <i>Energy</i> , 2015 , 82, 589-600	7.9	22
236	Assessment of urban effect on observed warming trends during 1955-2012 over China: a case of 45 cities. <i>Climatic Change</i> , 2015 , 132, 631-643	4.5	22
235	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
234	Comparison between past and future extreme precipitations simulated by global and regional climate models over the Tibetan Plateau. <i>International Journal of Climatology</i> , 2018 , 38, 1285-1297	3.5	22
233	Urbanization and air quality as major drivers of altered spatiotemporal patterns of heavy rainfall in China. <i>Landscape Ecology</i> , 2017 , 32, 1723-1738	4.3	21
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