# Peter A Stott

## List of Publications by Year in Descending Order

**Source:** https://exaly.com/author-pdf/9504970/peter-a-stott-publications-by-year.pdf
**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

| | | | |
|---|---|---|---|
| 168 papers | 13,887 citations | 55 h-index | 116 g-index |
| 179 ext. papers | 15,645 ext. citations | 9.8 avg, IF | 6.71 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 168 | Could detection and attribution of climate change trends be spurious regression?. *Climate Dynamics*, **2022**, 1-15 | 4.2 | |
| 167 | Human influence on seasonal precipitation in Europe. *Journal of Climate*, **2022**, 1-50 | 4.4 | 1 |
| 166 | Human influence increases the likelihood of extremely early cherry tree flowering in Kyoto. *Environmental Research Letters*, **2022**, 17, 054051 | 6.2 | 1 |
| 165 | Attributing and Projecting Heatwaves Is Hard: We Can Do Better. *Earth's Future*, **2022**, 10, | 7.9 | 2 |
| 164 | Towards advancing scientific knowledge of climate change impacts on short-duration rainfall extremes. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2021** , 379, 20190542 | 3 | 22 |
| 163 | Record-breaking daily rainfall in the United Kingdom and the role of anthropogenic forcings. *Atmospheric Science Letters*, **2021**, 22, e1033 | 2.4 | 1 |
| 162 | The influence of anthropogenic climate change on wet and dry summers in Europe. *Science Bulletin*, **2021**, 66, 813-823 | 10.6 | 10 |
| 161 | Increase in the frequency of extreme daily precipitation in the United Kingdom in autumn. *Weather and Climate Extremes*, **2021**, 33, 100340 | 6 | 3 |
| 160 | The effect of human land use change in the Hadley Centre attribution system. *Atmospheric Science Letters*, **2020**, 21, e972 | 2.4 | 2 |
| 159 | Explaining Extreme Events of 2018 from a Climate Perspective. *Bulletin of the American Meteorological Society*, **2020**, 101, S1-S140 | 6.1 | 26 |
| 158 | Detectable Anthropogenic Influence on Changes in Summer Precipitation in China. *Journal of Climate*, **2020**, 33, 5357-5369 | 4.4 | 4 |
| 157 | Optimal Estimation of Stochastic Energy Balance Model Parameters. *Journal of Climate*, **2020**, 33, 7909-7926 | 4.4 | 11 |
| 156 | U.K. Climate Projections: Summer Daytime and Nighttime Urban Heat Island Changes in England's Major Cities. *Journal of Climate*, **2020**, 33, 9015-9030 | 4.4 | 11 |
| 155 | A new energy-balance approach to linear filtering for estimating effective radiative forcing from temperature time series. *Advances in Statistical Climatology, Meteorology and Oceanography*, **2020**, 6, 91-102 | 1.5 | 1 |
| 154 | The increasing likelihood of temperatures above 30 to 40 °C in the United Kingdom. *Nature Communications*, **2020**, 11, 3093 | 17.4 | 18 |
| 153 | Contribution of Global Warming and Atmospheric Circulation to the Hottest Spring in Eastern China in 2018. *Advances in Atmospheric Sciences*, **2020**, 37, 1285-1294 | 2.9 | 5 |
| 152 | Attribution of ocean temperature change to anthropogenic and natural forcings using the temporal, vertical and geographical structure. *Climate Dynamics*, **2019**, 53, 5389-5413 | 4.2 | 21 |

| | | | |
|---|---|---|---|
| 151 | Introduction to Explaining Extreme Events of 2017 from a Climate Perspective. *Bulletin of the American Meteorological Society*, **2019**, 100, S1-S4 | 6.1 | 2 |
| 150 | Anthropogenic climate change and heat effects on health. *International Journal of Climatology*, **2019**, 39, 4751-4768 | 3.5 | 7 |
| 149 | Explaining Extreme Events of 2017 from a Climate Perspective. *Bulletin of the American Meteorological Society*, **2019**, 100, S1-S117 | 6.1 | 21 |
| 148 | Evaluation of the HadGEM3-A simulations in view of detection and attribution of human influence on extreme events in Europe. *Climate Dynamics*, **2019**, 52, 1187-1210 | 4.2 | 22 |
| 147 | Drivers of the UK summer heatwave of 2018. *Weather*, **2019**, 74, 390-396 | 0.9 | 27 |
| 146 | Different Ways of Framing Event Attribution Questions: The Example of Warm and Wet Winters in the United Kingdom Similar to 2015/16. *Journal of Climate*, **2018**, 31, 4827-4845 | 4.4 | 11 |
| 145 | Was the Cold European Winter of 2009/10 Modified by Anthropogenic Climate Change? An Attribution Study. *Journal of Climate*, **2018**, 31, 3387-3410 | 4.4 | 7 |
| 144 | Upgrade of the HadGEM3-A based attribution system to high resolution and a new validation framework for probabilistic event attribution. *Weather and Climate Extremes*, **2018**, 20, 9-32 | 6 | 41 |
| 143 | Explaining Extreme Events of 2016 from a Climate Perspective. *Bulletin of the American Meteorological Society*, **2018**, 99, S1-S157 | 6.1 | 24 |
| 142 | The Hot and Dry April of 2016 in Thailand. *Bulletin of the American Meteorological Society*, **2018**, 99, S128-S132 | 6.1 | 3 |
| 141 | Detectable Anthropogenic Shift toward Heavy Precipitation over Eastern China. *Journal of Climate*, **2017**, 30, 1381-1396 | 4.4 | 52 |
| 140 | Impact of Anthropogenic Climate Change on the East Asian Summer Monsoon. *Journal of Climate*, **2017**, 30, 5205-5220 | 4.4 | 30 |
| 139 | Early benefits of mitigation in risk of regional climate extremes. *Nature Climate Change*, **2017**, 7, 326-330 | 21.4 | 17 |
| 138 | Comparison of land surface humidity between observations and CMIP5 models **2017**, | | 1 |
| 137 | Comparison of land surface humidity between observations and CMIP5 models. *Earth System Dynamics*, **2017**, 8, 719-747 | 4.8 | 18 |
| 136 | Is the choice of statistical paradigm critical in extreme event attribution studies?. *Climatic Change*, **2017**, 144, 143-150 | 4.5 | 11 |
| 135 | Hurricanes Harvey, Irma and Maria: how natural were these natural disasters?. *Weather*, **2017**, 72, 353-354 | 0.9 | 21 |
| 134 | Human Influence on the 2015 Extreme High Temperature Events in Western China. *Bulletin of the American Meteorological Society*, **2016**, 97, S102-S106 | 6.1 | 22 |

| | | | |
|---|---|---|---|
| 133 | Detection and attribution of human influence on regional precipitation. *Nature Climate Change*, **2016**, 6, 669-675 | 21.4 | 67 |
| 132 | CLIMATE CHANGE. How climate change affects extreme weather events. *Science*, **2016**, 352, 1517-8 | 33.3 | 252 |
| 131 | Uncertainties in the attribution of greenhouse gas warming and implications for climate prediction. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 6969-6992 | 4.4 | 20 |
| 130 | Human influence on climate in the 2014 southern England winter floods and their impacts. *Nature Climate Change*, **2016**, 6, 627-634 | 21.4 | 189 |
| 129 | Summary and Broader Context. *Bulletin of the American Meteorological Society*, **2016**, 97, S141-S145 | 6.1 | 1 |
| 128 | Human Contribution to the Record Sunshine of Winter 2014/15 in the United Kingdom. *Bulletin of the American Meteorological Society*, **2016**, 97, S47-S50 | 6.1 | 5 |
| 127 | Attribution of Extreme Rainfall in Southeast China During May 2015. *Bulletin of the American Meteorological Society*, **2016**, 97, S92-S96 | 6.1 | 16 |
| 126 | Evaluating Simulated Fraction of Attributable Risk Using Climate Observations. *Journal of Climate*, **2016**, 29, 4565-4575 | 4.4 | 20 |
| 125 | Attribution analyses of temperature extremes using a set of 16 indices. *Weather and Climate Extremes*, **2016**, 14, 24-35 | 6 | 22 |
| 124 | Explaining Extreme Events of 2015 from a Climate Perspective. *Bulletin of the American Meteorological Society*, **2016**, 97, S1-S145 | 6.1 | 77 |
| 123 | Attribution of extreme weather and climate-related events. *Wiley Interdisciplinary Reviews: Climate Change*, **2016**, 7, 23-41 | 8.4 | 285 |
| 122 | Fast-track attribution assessments based on pre-computed estimates of changes in the odds of warm extremes. *Climate Dynamics*, **2015**, 45, 1547-1564 | 4.2 | 24 |
| 121 | Dramatically increasing chance of extremely hot summers since the 2003 European heatwave. *Nature Climate Change*, **2015**, 5, 46-50 | 21.4 | 266 |
| 120 | Challenges in Quantifying Changes in the Global Water Cycle. *Bulletin of the American Meteorological Society*, **2015**, 96, 1097-1115 | 6.1 | 168 |
| 119 | Signatures of naturally induced variability in the atmosphere using multiple reanalysis datasets. *Quarterly Journal of the Royal Meteorological Society*, **2015**, 141, 2011-2031 | 6.4 | 55 |
| 118 | Changes in the geopotential height at 500 hPa under the influence of external climatic forcings. *Geophysical Research Letters*, **2015**, 42, 10,798-10,806 | 4.9 | 21 |
| 117 | Unusual past dry and wet rainy seasons over Southern Africa and South America from a climate perspective. *Weather and Climate Extremes*, **2015**, 9, 36-46 | 6 | 19 |
| 116 | Role of Anthropogenic Forcing in 2014 Hot Spring in Northern China. *Bulletin of the American Meteorological Society*, **2015**, 96, S111-S114 | 6.1 | 11 |

| | | | |
|---|---|---|---|
| 115 | Summary and Broader Context. *Bulletin of the American Meteorological Society*, **2015**, 96, S168-S172 | 6.1 | |
| 114 | Explaining Extreme Events of 2014 from a Climate Perspective. *Bulletin of the American Meteorological Society*, **2015**, 96, S1-S172 | 6.1 | 40 |
| 113 | Extreme Rainfall in the United Kingdom During Winter 2013/14: The Role of Atmospheric Circulation and Climate Change. *Bulletin of the American Meteorological Society*, **2015**, 96, S46-S50 | 6.1 | 23 |
| 112 | Introduction to Explaining Extreme Events of 2014 from a Climate Perspective. *Bulletin of the American Meteorological Society*, **2015**, 96, S1-S4 | 6.1 | 84 |
| 111 | Reply to 'Drivers of the 2013/14 winter floods in the UK'. *Nature Climate Change*, **2015**, 5, 491-492 | 21.4 | 1 |
| 110 | Introduction to Explaining Extreme Events of 2014 from a Climate Perspective. *Bulletin of the American Meteorological Society*, **2015**, 96, S1-S4 | 6.1 | 64 |
| 109 | Atmospheric science. From past to future warming. *Science*, **2014**, 343, 844-5 | 33.3 | 13 |
| 108 | Potential influences on the United Kingdom's floods of winter 2013/14. *Nature Climate Change*, **2014**, 4, 769-777 | 21.4 | 122 |
| 107 | Explaining Extreme Events of 2013 from a Climate Perspective. *Bulletin of the American Meteorological Society*, **2014**, 95, S1-S104 | 6.1 | 146 |
| 106 | Change in the Odds of Warm Years and Seasons Due to Anthropogenic Influence on the Climate. *Journal of Climate*, **2014**, 27, 2607-2621 | 4.4 | 30 |
| 105 | Test of a decadal climate forecast. *Nature Geoscience*, **2013**, 6, 243-244 | 18.3 | 10 |
| 104 | Anthropogenic impact on Earth hydrological cycle. *Nature Climate Change*, **2013**, 3, 807-810 | 21.4 | 185 |
| 103 | Attribution of Weather and Climate-Related Events **2013**, 307-337 | | 64 |
| 102 | A New HadGEM3-A-Based System for Attribution of Weather- and Climate-Related Extreme Events. *Journal of Climate*, **2013**, 26, 2756-2783 | 4.4 | 105 |
| 101 | Identifying human influences on atmospheric temperature. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 26-33 | 11.5 | 102 |
| 100 | The role of land use change in the recent warming of daily extreme temperatures. *Geophysical Research Letters*, **2013**, 40, 589-594 | 4.9 | 59 |
| 99 | Models versus radiosondes in the free atmosphere: A new detection and attribution analysis of temperature. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 2609-2619 | 4.4 | 23 |
| 98 | Explaining Extreme Events of 2012 from a Climate Perspective. *Bulletin of the American Meteorological Society*, **2013**, 94, S1-S74 | 6.1 | 198 |

| | | | |
|---|---|---|---|
| 97 | The impact of stratospheric resolution on the detectability of climate change signals in the free atmosphere. *Geophysical Research Letters*, **2013**, 40, 937-942 | 4.9 | 3 |
| 96 | The international surface temperature initiative **2013**, | | 1 |
| 95 | Detection and Attribution of Observed Changes in Northern Hemisphere Spring Snow Cover. *Journal of Climate*, **2013**, 26, 6904-6914 | 4.4 | 53 |
| 94 | The upper end of climate model temperature projections is inconsistent with past warming. *Environmental Research Letters*, **2013**, 8, 014024 | 6.2 | 39 |
| 93 | Attribution of observed historical near-surface temperature variations to anthropogenic and natural causes using CMIP5 simulations. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 4001-4024 | 4.4 | 165 |
| 92 | Can the 2011 East African drought be attributed to human-induced climate change?. *Geophysical Research Letters*, **2013**, 40, 1177-1181 | 4.9 | 74 |
| 91 | Revisiting the controversial issue of tropical tropospheric temperature trends. *Geophysical Research Letters*, **2013**, 40, 2801-2806 | 4.9 | 33 |
| 90 | Attribution of climate-related events: understanding stakeholder needs. *Weather*, **2013**, 68, 274-279 | 0.9 | 25 |
| 89 | Human activity and anomalously warm seasons in Europe. *International Journal of Climatology*, **2012**, 32, 225-239 | 3.5 | 32 |
| 88 | The contribution of anthropogenic forcings to regional changes in temperature during the last decade. *Climate Dynamics*, **2012**, 39, 1259-1274 | 4.2 | 35 |
| 87 | What influence will future solar activity changes over the 21st century have on projected global near-surface temperature changes?. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a | | 28 |
| 86 | Explaining Extreme Events of 2011 from a Climate Perspective. *Bulletin of the American Meteorological Society*, **2012**, 93, 1041-1067 | 6.1 | 251 |
| 85 | Fingerprints of changes in annual and seasonal precipitation from CMIP5 models over land and ocean. *Geophysical Research Letters*, **2012**, 39, n/a-n/a | 4.9 | 34 |
| 84 | Observed 21st century temperatures further constrain likely rates of future warming. *Atmospheric Science Letters*, **2012**, 13, 151-156 | 2.4 | 15 |
| 83 | Sensitivity of the attribution of near surface temperature warming to the choice of observational dataset. *Geophysical Research Letters*, **2011**, 38, n/a-n/a | 4.9 | 11 |
| 82 | Detecting the influence of fossil fuel and bio-fuel black carbon aerosols on near surface temperature changes. *Atmospheric Chemistry and Physics*, **2011**, 11, 799-816 | 6.8 | 36 |
| 81 | Separating signal and noise in atmospheric temperature changes: The importance of timescale. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a | | 125 |
| 80 | Anthropogenic greenhouse gas contribution to flood risk in England and Wales in autumn 2000. *Nature*, **2011**, 470, 382-5 | 50.4 | 608 |

| | | | |
|---|---|---|---|
| 79 | Changing return periods of weather-related impacts: the attribution challenge. *Climatic Change*, **2011**, 109, 263-268 | 4.5 | 7 |
| 78 | Single-step attribution of increasing frequencies of very warm regional temperatures to human influence. *Atmospheric Science Letters*, **2011**, 12, 220-227 | 2.4 | 31 |
| 77 | Difficult but not impossible. *Nature Climate Change*, **2011**, 1, 72-72 | 21.4 | 18 |
| 76 | The Role of Human Activity in the Recent Warming of Extremely Warm Daytime Temperatures. *Journal of Climate*, **2011**, 24, 1922-1930 | 4.4 | 107 |
| 75 | Guiding the Creation of A Comprehensive Surface Temperature Resource for Twenty-First-Century Climate Science. *Bulletin of the American Meteorological Society*, **2011**, 92, ES40-ES47 | 6.1 | 50 |
| 74 | Comment on "Climate Science and the Uncertainty Monster". A. Curry and P. J. Webster. *Bulletin of the American Meteorological Society*, **2011**, 92, 1683-1685 | 6.1 | 5 |
| 73 | How best to log local temperatures?. *Nature*, **2010**, 465, 158-9 | 50.4 | 18 |
| 72 | Proposals for surface-temperature databank now open for scrutiny. *Nature*, **2010**, 466, 1040 | 50.4 | 1 |
| 71 | Impact of stratospheric variability on tropospheric climate change. *Climate Dynamics*, **2010**, 34, 399-417 | 4.2 | 22 |
| 70 | Stratospheric temperature trends: impact of ozone variability and the QBO. *Climate Dynamics*, **2010** , 34, 381-398 | 4.2 | 32 |
| 69 | Probabilistic estimates of recent changes in temperature: a multi-scale attribution analysis. *Climate Dynamics*, **2010**, 34, 1139-1156 | 4.2 | 29 |
| 68 | Causes for the recent changes in cold- and heat-related mortality in England and Wales. *Climatic Change*, **2010**, 102, 539-553 | 4.5 | 52 |
| 67 | Detection and attribution of climate change: a regional perspective. *Wiley Interdisciplinary Reviews: Climate Change*, **2010**, 1, 192-211 | 8.4 | 206 |
| 66 | Incorporating model quality information in climate change detection and attribution studies. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 14778-83 | 11.5 | 137 |
| 65 | The Detection and Attribution of Human Influence on Climate. *Annual Review of Environment and Resources*, **2009**, 34, 1-16 | 17.2 | 55 |
| 64 | The Effect of Local Circulation Variability on the Detection and Attribution of New Zealand Temperature Trends. *Journal of Climate*, **2009**, 22, 6217-6229 | 4.4 | 19 |
| 63 | The proportionality of global warming to cumulative carbon emissions. *Nature*, **2009**, 459, 829-32 | 50.4 | 565 |
| 62 | Variability of high latitude amplification of anthropogenic warming. *Geophysical Research Letters*, **2009**, 36, | 4.9 | 14 |

| | | | |
|---|---|---|---|
| 61 | A new perspective on warming of the global oceans. *Geophysical Research Letters*, **2009**, 36, | 4.9 | 28 |
| 60 | Attribution of anthropogenic influence on seasonal sea level pressure. *Geophysical Research Letters*, **2009**, 36, | 4.9 | 38 |
| 59 | Linking Extreme Weather to Climate Variability and Change: International Group on Attribution of Climate-Related Events (ACE); Boulder, Colorado, 26 January 2009. *Eos*, **2009**, 90, 184-184 | 1.5 | 6 |
| 58 | Tracking uncertainties in the causal chain from human activities to climate. *Geophysical Research Letters*, **2009**, 36, | 4.9 | 22 |
| 57 | Attribution of polar warming to human influence. *Nature Geoscience*, **2008**, 1, 750-754 | 18.3 | 167 |
| 56 | Human contribution to rapidly increasing frequency of very warm Northern Hemisphere summers. *Journal of Geophysical Research*, **2008**, 113, | | 50 |
| 55 | A Review of Uncertainties in Global Temperature Projections over the Twenty-First Century. *Journal of Climate*, **2008**, 21, 2651-2663 | 4.4 | 180 |
| 54 | Detection and attribution of Atlantic salinity changes. *Geophysical Research Letters*, **2008**, 35, | 4.9 | 48 |
| 53 | Attribution of cyclogenesis region sea surface temperature change to anthropogenic influence. *Geophysical Research Letters*, **2008**, 35, | 4.9 | 33 |
| 52 | Observed climate change constrains the likelihood of extreme future global warming. *Tellus, Series B: Chemical and Physical Meteorology*, **2008**, 60, 76-81 | 3.3 | 10 |
| 51 | Detection of human influence on twentieth-century precipitation trends. *Nature*, **2007**, 448, 461-5 | 50.4 | 743 |
| 50 | Deep North Atlantic freshening simulated in a coupled climate model. *Progress in Oceanography*, **2007**, 73, 370-383 | 3.8 | 6 |
| 49 | Human Contribution to the Lengthening of the Growing Season during 1950–99. *Journal of Climate*, **2007**, 20, 5441-5454 | 4.4 | 66 |
| 48 | Estimates of Uncertainty in Predictions of Global Mean Surface Temperature. *Journal of Climate*, **2007**, 20, 843-855 | 4.4 | 25 |
| 47 | Identification of human-induced changes in atmospheric moisture content. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 15248-53 | 11.5 | 234 |
| 46 | Ensemble climate predictions using climate models and observational constraints. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2007**, 365, 2029-52 | 3 | 47 |
| 45 | The Detection and Attribution of Climate Change Using an Ensemble of Opportunity. *Journal of Climate*, **2007**, 20, 504-516 | 4.4 | 25 |
| 44 | A Multimodel Update on the Detection and Attribution of Global Surface Warming. *Journal of Climate*, **2007**, 20, 517-530 | 4.4 | 17 |

| | | | |
|---|---|---|---|
| 43 | Anthropogenic warming of central England temperature. *Atmospheric Science Letters*, **2006**, 7, 81-85 | 2.4 | 44 |
| 42 | Observational Constraints on Past Attributable Warming and Predictions of Future Global Warming. *Journal of Climate*, **2006**, 19, 3055-3069 | 4.4 | 148 |
| 41 | Uncertainty in continental-scale temperature predictions. *Geophysical Research Letters*, **2006**, 33, | 4.9 | 26 |
| 40 | Incorporating model uncertainty into attribution of observed temperature change. *Geophysical Research Letters*, **2006**, 33, | 4.9 | 48 |
| 39 | Alternatives to stabilization scenarios. *Geophysical Research Letters*, **2006**, 33, | 4.9 | 37 |
| 38 | Transient Climate Simulations with the HadGEM1 Climate Model: Causes of Past Warming and Future Climate Change. *Journal of Climate*, **2006**, 19, 2763-2782 | 4.4 | 101 |
| 37 | Detection of a direct carbon dioxide effect in continental river runoff records. *Nature*, **2006**, 439, 835-8 | 50.4 | 628 |
| 36 | A quality-controlled global runoff data set (Reply). *Nature*, **2006**, 444, E14-E15 | 50.4 | 11 |
| 35 | Highest rates of regional climate warming over the last decades and assessment of the role of natural and anthropogenic factors. *Doklady Earth Sciences*, **2006**, 406, 158-162 | 0.6 | 10 |
| 34 | Quantifying anthropogenic influence on recent near-surface temperature change. *Surveys in Geophysics*, **2006**, 27, 491-544 | 7.6 | 40 |
| 33 | Human influence on increasing Arctic river discharges. *Geophysical Research Letters*, **2005**, 32, | 4.9 | 105 |
| 32 | Sensitivity of global-scale climate change attribution results to inclusion of fossil fuel black carbon aerosol. *Geophysical Research Letters*, **2005**, 32, n/a-n/a | 4.9 | 16 |
| 31 | Detection of changes in temperature extremes during the second half of the 20th century. *Geophysical Research Letters*, **2005**, 32, | 4.9 | 116 |
| 30 | An AOGCM simulation of the climate response to a volcanic super-eruption. *Climate Dynamics*, **2005**, 25, 725-738 | 4.2 | 83 |
| 29 | Human contribution to the European heatwave of 2003. *Nature*, **2004**, 432, 610-4 | 50.4 | 990 |
| 28 | Does the recent freshening trend in the North Atlantic indicate a weakening thermohaline circulation?. *Geophysical Research Letters*, **2004**, 31, | 4.9 | 26 |
| 27 | Detection and attribution of changes in 20th century land precipitation. *Geophysical Research Letters*, **2004**, 31, n/a-n/a | 4.9 | 78 |
| 26 | Causes of exceptional atmospheric circulation changes in the Southern Hemisphere. *Geophysical Research Letters*, **2004**, 31, | 4.9 | 171 |

| | | | |
|---|---|---|---|
| 25 | Simulated and observed decadal variability in ocean heat content. *Geophysical Research Letters*, **2004**, 31, | 4.9 | 86 |
| 24 | Detectability of Anthropogenic Changes in Annual Temperature and Precipitation Extremes. *Journal of Climate*, **2004**, 17, 3683-3700 | 4.4 | 166 |
| 23 | Do Models Underestimate the Solar Contribution to Recent Climate Change?. *Journal of Climate*, **2003**, 16, 4079-4093 | 4.4 | 77 |
| 22 | Estimating signal amplitudes in optimal fingerprinting, part I: theory. *Climate Dynamics*, **2003**, 21, 477-491 | 4.2 | 309 |
| 21 | Estimating signal amplitudes in optimal fingerprinting. Part II: application to general circulation models. *Climate Dynamics*, **2003**, 21, 493-500 | 4.2 | 42 |
| 20 | Probable causes of late twentieth century tropospheric temperature trends. *Climate Dynamics*, **2003**, 21, 573-591 | 4.2 | 34 |
| 19 | Detection of human influence on sea-level pressure. *Nature*, **2003**, 422, 292-4 | 50.4 | 169 |
| 18 | Causes of atmospheric temperature change 1960–2000: A combined attribution analysis. *Geophysical Research Letters*, **2003**, 30, n/a-n/a | 4.9 | 29 |
| 17 | Attribution of regional-scale temperature changes to anthropogenic and natural causes. *Geophysical Research Letters*, **2003**, 30, | 4.9 | 122 |
| 16 | Detection of a human influence on North American climate. *Science*, **2003**, 302, 1200-3 | 33.3 | 82 |
| 15 | Origins and estimates of uncertainty in predictions of twenty-first century temperature rise. *Nature* , **2002**, 416, 723-6 | 50.4 | 271 |
| 14 | Reconciling Two Approaches to the Detection of Anthropogenic Influence on Climate. *Journal of Climate*, **2002**, 15, 326-329 | 4.4 | 7 |
| 13 | Assessing the robustness of zonal mean climate change detection. *Geophysical Research Letters*, **2002**, 29, 26-1-26-4 | 4.9 | 13 |
| 12 | Estimation of natural and anthropogenic contributions to twentieth century temperature change. *Journal of Geophysical Research*, **2002**, 107, ACL 10-1 | | 181 |
| 11 | Correlations between patterns of 19th and 20th century surface temperature change and HadCM2 Climate Model ensembles. *Geophysical Research Letters*, **2001**, 28, 1007-1010 | 4.9 | 5 |
| 10 | Allowing for solar forcing in the detection of human influence on tropospheric temperatures. *Geophysical Research Letters*, **2001**, 28, 1555-1558 | 4.9 | 7 |
| 9 | Quantifying the uncertainty in forecasts of anthropogenic climate change. *Nature*, **2000**, 407, 617-20 | 50.4 | 522 |
| 8 | Anthropogenic and natural causes of twentieth century temperature change. *Space Science Reviews* , **2000**, 94, 337-344 | 7.5 | 5 |

| | | | |
|---|---|---|---|
| 7 | Observations of Climate Variability Discussion Session 3a. *Space Science Reviews*, **2000**, 94, 345-348 | 7.5 | |
| 6 | External control of 20th century temperature by natural and anthropogenic forcings. *Science*, **2000**, 290, 2133-7 | 33.3 | 491 |
| 5 | Implications of changes in the northern hemisphere circulation for the detection of anthropogenic climate change. *Geophysical Research Letters*, **2000**, 27, 993-996 | 4.9 | 38 |
| 4 | Causes of twentieth-century temperature change near the Earth's surface. *Nature*, **1999**, 399, 569-572 | 50.4 | 420 |
| 3 | Scale-Dependent Detection of Climate Change. *Journal of Climate*, **1998**, 11, 3282-3294 | 4.4 | 99 |
| 2 | Stratospheric Flow during Two Recent Winters Simulated by a Mechanistic Model. *Monthly Weather Review*, **1998**, 126, 1655-1680 | 2.4 | 5 |
| 1 | Recent decreases in domestic energy consumption in the United Kingdom attributed to human influence on the climate. *Atmospheric Science Letters*,e1062 | 2.4 | 1 |