Michael F. Wehner

Publications

2023


https://doi.org/10.1029/2022GL102091


https://doi.org/10.1007/s10584-023-03495-3


2022


Emily Bercos-Hickey, Travis A. O'Brien, Michael F. Wehner, Likun Zhang, Christina M. Patricola, Huanping Huang, Mark D. Risser (2022) Anthropogenic contributions


Kevin T. Smiley, Ilan Noy, Michael Wehner, Dave Frame, Christopher Sampson and Oliver E. Wing (2022) Social Inequalities in Climate Change-Attributed Impacts of Hurricane Harvey. *Nature Communications* 13, 3418 https://doi.org/10.1038/s41467-022-31056-2


Michael Wehner and Kevin Reed (2022) Operational extreme weather event attribution can quantify climate change loss and damages. PLOS Clim 1(2): e0000013. https://doi.org/10.1371/journal.pclm.0000013


2021


Alan Rhoades, Mark D Risser, Daithi A Stone, Michael F Wehner, Andrew D Jones (2021) Implications of warming on western United States landfalling atmospheric


2020


2019


Christopher J, Paciorek, Dáithí Stone Michael Wehner (2018) Quantifying statistical


2017


Stone, D. A., H. Krishnan, R. Lance, S. Sippel, and M. F. Wehner (2017) The First and


Oliver Angelil, Dáithí Stone, Michael Wehner, Christopher J. Paciorek, Harinarayan Krishnan, William Collins (2017) An independent assessment of anthropogenic attribution statements for recent extreme weather events. Journal of Climate 30, 5-16, DOI: 10.1175/JCLI-D-16-0077.1


Oliver Angelil, Daithi Stone, Sarah Perkins-Kirkpatrick, Lisa Alexander, Michael


2016


2015


2014


Michael F. Wehner (2014) Perspective: A temporary hiatus in warming of extreme temperatures is not unusual, nor inconsistent with model simulations of human-induced climate change. Environmental Research Letters. 9 071001
doi:10.1088/1748-9326/9/7/071001


Martha M Campbell, John Casterline, Federico Castillo, Alisha Graves, Thomas L Hall, John F May, Daniel Perlman, Malcolm Potts, J Joseph Speidel, Julia Walsh, Michael F Wehner, Eliya Msiyaphazi Zulu (2014) Population and climate change: who will the grand convergence leave behind? The Lancet Global Health 2, e253-e254 DOI: 10.1016/S2214-109X(14)70021-X


Donald J. Wuebbles, Kenneth Kunkel, Michael Wehner, and Zachary Zobel (2014) Severe Weather in the United States under a Changing Climate, Eos Trans. AGU, 95(18), 149,150

I.N. Williams, M.S. Torn, W.J. Riley, M.F. Wehner, W.D. Collins, & J.A. Berry (2014)


2013


Brian Smith, Daniel M. Ricciuto, Peter E. Thornton, Galen Shipman, Chad Steed, Dean Williams, Michael Wehner (2013) ParCAT: Parallel Climate Analysis Toolkit. Procedia Computer Science: 2013 International Conference on Computational Science, 18, 2367-2375


E. Wes Bethel, Prabhat Prabhat, Suren Byna, Oliver Ruebel, K. John Wu, Michael Wehner (2013) Why high performance visual data analytics is both relevant and difficult ", Proc. SPIE 8654, Visualization and Data Analysis 2013, 86540B; doi:10.1117/12.2010980; http://dx.doi.org/10.1117/12.2010980

2012


2011


2010


2009


Global Climate Change Impacts in the United States, Thomas R. Karl, Jerry M. Melillo, and Thomas C. Peterson, (eds.). Cambridge University Press, 2009. (Michael Wehner was a member of lead author team).


**2008**


**2007**

Induced Changes in Atmospheric Moisture Content”, (2007), Proceedings National Academy of Sciences, 107, 15248-15253 (cover article)


2006


“Temperature Trends in the Lower Atmosphere: Steps for Understanding and Reconciling Differences”, Synthesis and Assessment Product 1.1 of the US Climate Change Science Program (CCSP). Contributing author to Chapter 5, “How well can the observed vertical temperature changes be reconciled with our understanding of the causes of these temperature changes?” LBNL-61595


2005


“Leading Computational Methods on Scalar and Vector HEC Platforms” Leonid Oliker, Jonathan Carter, Michael Wehner, Andrew Canning, Stephane Ethier, Bala
Govindasamy, Art Mirin, David Parks, Patrick Worley, Shigemune Kitawaki, Yoshinori Tsuda, 2005 SC Conference LBNL-58053


LBNL-61596

2004


2003


**1983-2002** (prior to LBNL)


Wehner, M. and Covey, C., Description and validation of the LLNL/UCLA parallel atmospheric GCM, UCRL-ID-123223, Lawrence Livermore National Laboratory, December 1995.


