

Justin Staller Mankin

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APPOINTMENTS

2023-present	Associate Professor, Department of Geography, Dartmouth
2018-present	Adjunct Associate Research Scientist, Lamont-Doherty Earth Observatory, Columbia University
2018-present	Faculty Affiliate, Department of Earth & Planetary Sciences, Dartmouth
2018-present	Faculty Affiliate, Ecology, Evolution, Environment & Society, Dartmouth
2018-2023	Assistant Professor, Department of Geography, Dartmouth
2015-2018	Earth Institute Postdoctoral Fellow, Lamont-Doherty Earth Observatory, Columbia University
2015-2017	Postdoctoral Fellow, NASA Goddard Institute for Space Studies

EDUCATION

2015	PhD in Environment & Resources, School of Earth Sciences, Stanford University
2010	MPA in Environmental Science & Policy, Earth Institute, Columbia University
2008	MSc in Global Politics & Development, London School of Economics
2004	BA in Political Science, Columbia University

HONORS, AWARDS, & FELLOWSHIPS • (SELECTED, LAST TWO YEARS)

2025	MIT & Woods Hole Oceanographic Institution, H. Burr Steinbach Scholar
2024	American Geophysical Union, Global Environmental Change Early Career Award
2024	Keynote, U.S. National Academies of Science, “Climate Change & Human Migration”
2024	Gottlieb & Mankin, <i>Nature</i> (2024) named a Nature cover article
2024	Callahan & Mankin, <i>Science</i> (2023) named one of the 10 New Insights in Climate Science (10NICS) by the World Climate Research Programme & Future Earth
2024	Petitt Family Fellowship, Dartmouth
2024	AGU Editors’ Highlight: Li et al., <i>AGU Advances</i> (2024)
2024	AMS Editors’ Highlight: Callahan et al., <i>Bulletin of the American Meteorological Society</i> (2023)

SERVICE

TO THE DISCIPLINE • (SELECTED)

2025-present	Member, Committee on the Future of Drought in the United States, U.S. National Academy of Science
2025-present	Member, US CLIVAR Working Group, Accelerating Research on Climate Risk Information
2024-present	Graphics Lead Author, U.S. Sixth National Climate Assessment
2024-present	Drought Lead, Water Cycle Priorities, NASA Decadal Survey
2023-present	Editor, <i>Earth’s Future</i> , a Journal of the American Geophysical Union (AGU)
2022-present	Associate Editor, <i>Journal of Climate</i> , a Journal of the American Meteorological Society (AMS)
2020-present	Member, American Meteorological Society Committee on Climate Variability and Change (AMS CVC)
2020-present	Member Representative, University Corporation for Atmospheric Research (UCAR)
2024-present	Member, Attribution Science and Climate Law Advisory Committee, Sabin Center for Climate Law
2021-24	Co-lead, National Oceanic & Atmospheric Administration Drought Task Force
2022-2024	Co-chair, “The Future of Terrestrial Water Availability” at the Aspen Global Change Institute
2024	Media Lead, World Climate Research Programme & Future Earth 10 New Insights in Climate Science
2023	Co-chair, 37th Conference on Climate Variability and Change of the American Meteorological Society
2023	Member, <i>Earth’s Future</i> Editor-in-Chief Search Committee

PEER-REVIEWED JOURNAL ARTICLES • (LAST 2 YEARS)

Total peer-reviewed papers published: 65; total citations: ~6800; Google h-/i-10 index: 38/50

★ Denotes research where Mankin is lead or senior author per the Vancouver Protocol; underlined are: PI-

advised (P)ostdoc, (G)rad student, (U)ndergrad, and (R)esearch Assistant

- 2025 ★Mankin, J. S., N. Siegert (R), J. E. Smerdon, B. I. Cook, R. Seager, A. P. Williams, C. Lesk, (P), Z. Li (P), H. Singh (R), E. Martinez (U), Nonlinear carbon feedbacks diminish future freshwater availability, *Journal of Climate* 10.1175/JCLI-D-24-0028.1.
- 2025 ★ Callahan, C. (G) & J. S. Mankin, Carbon majors and the scientific case for climate liability, *Nature*, DOI: 10.1038/s41586-025-08751-3.
- 2025 Ospina, D. et al. (WCRP invited author team), Ten New Insights in Climate Science 2024, *One Earth* 10.1016/j.oneear.2025.101285.
- 2025 ★Lesk, C. (P), J. Winter, & J. S. Mankin, Projected runoff declines from plant physiological effects on precipitation, *Nature Water*, DOI: s44221-024-00361-z.
- 2025 ★Callahan, C. (G), N. J. Dominy, J. M. DeSilva, & J. S. Mankin, Reply to Sato and Kohyama, *Bulletin of the American Meteorological Society* 10.1175/BAMS-D-24-0269.1.
- 2025 Jiang, Y., J. E. Smerdon, R. Seager, G. Wang, B. I. Cook, C. Zheng, J. S. Mankin, and A. P. Williams, Land-Surface Conditions and Their Influence on the 2020-21 Western US Drought, *Water Resources Research*.
- 2024 ★Li, Z. (P), J. E. Smerdon, R. Seager, N. Siegert (R), & J. S. Mankin, Emergent trends complicate interpretation of the United States Drought Monitor, *AGU Advances*, DOI: 10.1029/2023AV001070.
- 2024 Byrne, M. P., G. Hegerl, J. Scheff, A. Berg, C. Hohenegger, V. Humphrey, M. M. Laguë, F. H. Lambert, J. S. Mankin, K. A. McColl, K. A. McKinnon, A. G. Pendergrass, Lucas Vargas Zeppetello, Y. Zhang, Theory and the future of land-climate science, *Nature Geoscience* s41561-024-01553-8.
- 2024 Fallah, A., M. A. Barlow, L. Agel, J. Kim, J. S. Mankin, D. M. Mocko, C. B. Skinner, Impact of Vegetation Assimilation on Flash Drought Characteristics Across the Continental United States, *Journal of Hydrometeorology* 10.1175/JHM-D-23-0219.1.
- 2024 ★Callahan, C. (G), N. J. Dominy, J. M. DeSilva, & J. S. Mankin, Home runs rising: Warming global temperatures are altering America's pastime, *Bulletin of the American Meteorological Society*.
- 2024 ★Gottlieb, A. (G) & J. S. Mankin, Evidence of human influence on Northern Hemisphere snow loss, *Nature*, DOI: s41586-023-06794-y.

OTHER WRITING • (SELECTED)

- 2024 ★Mankin, J. S., The people have a right to climate data, *The New York Times*, Section A, Page 22.
- 2023 ★Mankin, J. S. & C. Callahan (G), The other climate change, *The Los Angeles Times*, page A11.
- 2022 ★Mankin, J. S. & C. Callahan (G), The Scientific Case for Climate Liability and Loss and Damage, *Lawfare*.
- 2021 ★Mankin, J. S., The American West's drought isn't a disaster. It's our new, permanently arid normal, *The Washington Post*.

GRANTS

\$2.1M in external support over last 4 years: NSF CLD; NSF HEGS; NOAA MAPP; Rockefeller Family Fund, Larsen Lam Climate Foundation

PROFESSIONAL SOCIETIES

American Geophysical Union; American Meteorological Society; American Association of Geographers; American Association for the Advancement of Science

TEACHING

GEOG 01.01: "Introduction to Earth System Science"; GEOG 16.01: "A Climate for Human Security"; GEOG 18.01: "Climate Extremes"; GEOG 60.01: "Earth System Modeling"

Last updated: May 10, 2025