Justin Staller Mankin

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Appointments

2026-present Professor, Department of Geography, Dartmouth College
2023-2026 Associate Professor, Department of Geography, Dartmouth College
2018-2023 Assistant Professor, Department of Geography, Dartmouth College
2018-2026 Adjunct Associate Research Scientist, Lamont-Doherty Earth Observatory, Columbia University
2018-present Faculty Affiliate, Department of Earth Sciences; Ecology, Evolution, Environment & Society, 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)

2026 James Wright Faculty Excellence Award, Dartmouth
2026 Scholarly Innovation and Advancement Award, Dartmouth
2026 Lesk & Mankin, *Nature* (2026) named a Nature cover article
2026 Callahan & Mankin, *Nature* (2025) named a Carbon Brief top 10 climate paper of 2025
2026 Callahan & Mankin, *Nature* (2025) named one of the 10 New Insights in Climate Science (10NICS), WCRP & Future Earth
2025-2026 Scialog Fellow, Kavli Foundation & Research Corporation for Science Advancement (RCSA)
2025 H. Burr Steinbach Visiting Scholar, MIT & Woods Hole Oceanographic Institution
2024 American Geophysical Union, Global Environmental Change Early Career Award
2024 Keynote Lecture, U.S. National Academies of Science, Engineering, and Medicine, "Climate Change & Human Migration"
2024 Gottlieb & Mankin, *Nature* (2024) named a Nature cover article
2024 Callahan & Mankin, *Science* (2023) named one of the 10 New Insights in Climate Science (10NICS) by the World Climate Research Programme & Future Earth
2023-2024 Petitt Family Fellowship, Dartmouth
2024 Nature Editors' Highlight: Gottlieb & Mankin, *Nature* (2024)
2024 AGU Editors' Highlight: Li et al., *AGU Advances* (2024)
2024 AMS Editors' Highlight: Callahan et al., *Bulletin of the American Meteorological Society* (2023)
2024 Science Editors' Highlight: Callahan & Mankin, *Science* (2023)

Service

To the discipline • (current)

2025-present Member, Committee on the Future of Drought in the United States, U.S. National Academies of Science, Engineering, and Medicine
2025-present Member, US CLIVAR Working Group, Accelerating Research on Climate Risk Information
2024-present Drought Co-Lead, Water Cycle Priorities, NASA Decadal Survey
2025-present Member, British Institute of International and Comparative Law (BIICL) Legal Tactics Core Group
2024-2025 Graphics Lead Author, U.S. Sixth National Climate Assessment
2023-present Deputy Editor, *Earth's Future*, a Journal of the American Geophysical Union (AGU)
2022-present Associate Editor, *Journal of Climate*, 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
2021-2024 Co-lead, National Oceanic & Atmospheric Administration Drought Task Force

Recent peer-reviewed journal articles •

Total peer-reviewed papers published: 68; total citations: ∼9250; Google h-/i-10 index: 42/56
⋆ 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

2026 National Academies of Sciences, Engineering, and Medicine. Improving Future U.S. Drought Assessment. Washington, DC: The National Academies Press.
2026 ⋆Lesk, C. (P) & J. S. Mankin, More concentrated precipitation decreases terrestrial water storage, *Nature*.
2026 Bagwell, T. (G), S. Dee , E. Ching, X. Luo, F. Viens, J. S. Mankin, Global and regional climate modes modulate armed conflict risk, *Proceedings of the National Academy of Sciences*.
2026 Pollack, A., ... J. S. Mankin, ..., Unlocking the benefits of transparent and reusable science for climate-risk management, *Proceedings of the National Academy of Sciences*.
2025 ⋆Gottlieb, A. (G) & J. S. Mankin, Subseasonal temperature variability drives nonlinear snow loss with warming, *Water Resources Research*.
2025 ⋆Mankin, J. S., ..., Nonlinear carbon feedbacks diminish future freshwater availability, *Journal of Climate*.
2025 ⋆ Callahan, C. (G) & J. S. Mankin, Carbon majors and the scientific case for climate liability, *Nature*.
2025 Ospina, D., ... J. S. Mankin, et al., Ten New Insights in Climate Science 2024, *One Earth*.
2025 ⋆Lesk, C. (P), J. Winter, & J. S. Mankin, Projected runoff declines from plant physiological effects on precipitation, *Nature Water*.
2025 ⋆Callahan, C. (G), N. J. Dominy, J. M. DeSilva, & J. S. Mankin, Reply to Sato and Kohyama, *Bulletin of the American Meteorological Society*.
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. S. Mankin, Emergent trends complicate interpretation of the United States Drought Monitor, *AGU Advances*.
2024 Byrne, M. P., ... J. S. Mankin, ..., Theory and the future of land-climate science, *Nature Geoscience*.
2024 Fallah, A., ... J. S. Mankin,..., Impact of Vegetation Assimilation on Flash Drought Characteristics Across the Continental United States, *Journal of Hydrometeorology*.
2024 ⋆Gottlieb, A. (G) & J. S. Mankin, Evidence of human influence on Northern Hemisphere snow loss, *Nature*.
2023 ⋆Callahan, C. (G) & J. S. Mankin, Persistent effect of El Niño on global economic growth, *Science*.

Other writing • (selected)

2025 ⋆Mankin, J. S., et al., National climate damages traceable to emissions from the U.S. transportation sector.
2025 ⋆Mankin, J. S., et al., National climate damages traceable to emissions from the U.S. power sector.
2024 ⋆Mankin, J. S., The people have a right to climate data, *The New York Times*, Section A, Page 22.
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*.
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*.

Professional societies

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