

Stanford



Connor Nolan

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CONTACT INFORMATION

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Bio

INSTITUTE AFFILIATIONS

- Postdoctoral Scholar, Stanford Woods Institute for the Environment

PROFESSIONAL EDUCATION

- Bachelor of Science, Iowa State University (2012)
- Doctor of Philosophy, University of Arizona (2019)
- Ph.D, University of Arizona , Geosciences (2019)
- B.S., Iowa State University , Mathematics (2012)
- B.S, Iowa State University , Biology (2012)

LINKS

- Personal Website: <https://connornolan.science>

Publications

PUBLICATIONS

- **The future of ecosystem assessments is automation, collaboration, and artificial intelligence** *ENVIRONMENTAL RESEARCH LETTERS*
Garcia, C., Bagstad, K. J., Brun, J., Chaplin-Kramer, R., Dhu, T., Murray, N. J., Nolan, C. J., Ricketts, T. H., Sosik, H. M., Sousa, D., Willard, G., Halpern, B. S. 2023; 18 (1)
- **Fire effects on the persistence of soil organic matter and long-term carbon storage** *NATURE GEOSCIENCE*
Pellegrini, A. A., Harden, J., Georgiou, K., Hemes, K. S., Malhotra, A., Nolan, C. J., Jackson, R. B.
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- **A latest Pleistocene and Holocene composite tephrrostratigraphic framework for northeastern North America** *QUATERNARY SCIENCE REVIEWS*
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- **Constraints and enablers for increasing carbon storage in the terrestrial biosphere** *NATURE REVIEWS EARTH & ENVIRONMENT*
Nolan, C. J., Field, C. B., Mach, K. J.
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- **Pollen-based climate reconstruction techniques for late Quaternary studies** *EARTH-SCIENCE REVIEWS*
Chevalier, M., Davis, B. S., Heiri, O., Seppa, H., Chase, B. M., Gajewski, K., Lacourse, T., Telford, R. J., Finsinger, W., Guiot, J., Kuhl, N., Maezumi, S., Tipton, et al
2020; 210
- **PREDICTING PALEOCLIMATE FROM COMPOSITIONAL DATA USING MULTIVARIATE GAUSSIAN PROCESS INVERSE PREDICTION** *ANNALS OF APPLIED STATISTICS*
Tipton, J. R., Hooten, M. B., Nolan, C., Booth, R. K., McLachlan, J.
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- **Comparing and improving methods for reconstructing peatland water-table depth from testate amoebae** *HOLOCENE*
Nolan, C., Tipton, J., Booth, R. K., Hooten, M. B., Jackson, S. T.
2019; 29 (8): 1350–61
- **Past and future global transformation of terrestrial ecosystems under climate change** *SCIENCE*
Nolan, C., Overpeck, J. T., Allen, J. M., Anderson, P. M., Betancourt, J. L., Binney, H. A., Brewer, S., Bush, M. B., Chase, B. M., Cheddadi, R., Djamali, M., Dodson, J., Edwards, et al
2018; 361 (6405): 920–23
- **Placing the Common Era in a Holocene context: millennial to centennial patterns and trends in the hydroclimate of North America over the past 2000 years** *CLIMATE OF THE PAST*
Shuman, B. N., Routson, C., McKay, N., Fritz, S., Kaufman, D., Kirby, M. E., Nolan, C., Pederson, G. T., St-Jacques, J.
2018; 14 (5): 665–86
- **Climatic history of the northeastern United States during the past 3000 years** *CLIMATE OF THE PAST*
Marlon, J. R., Pederson, N., Nolan, C., Goring, S., Shuman, B., Robertson, A., Booth, R., Bartlein, P. J., Berke, M. A., Clifford, M., Cook, E., Dieffenbacher-Krall, A., Dietze, et al
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