

2024 NADP Reference Listing

Includes 161 publications that used NADP data, made comparisons to NADP data, or resulted from NRSP-3 activities in 2024. A publicly available listing of all citations using NADP data is accessible at: <https://nadp.slh.wisc.edu/pubs/nadp-bibliography/>.

At the same location, there is now a searchable database of this year's publications, and those from previous years, as we are able to add them in.

1. Acharya, S. K., 2024. Lichens As Indicators of Pollution. International Journal Of Multidisciplinary Research in Science, Engineering and Technology (IJMRSET) 6(6): 3026-3030. DOI:10.15680/IJMRSET.2023.0606050.
2. Ahmed, A. A. M., Jui, S. J. J., Sharma, E., Ahmed, M. H., Raj, N., & Bose, A., 2024. An advanced deep learning predictive model for air quality index forecasting with remote satellite-derived hydro-climatological variables. Science of The Total Environment 906, 167234. <https://doi.org/10.1016/j.scitotenv.2023.167234>.
3. Amshoff, Grant; Blevins, Emily; Phirman, Hannah; Qualls, Josh; and Tidwell, Will, 2024. "Acid Rain: A LevelUp Experience in Math 442". 2024 *Celebration of Student Scholarship - Poster Presentations*. 61. https://scholarworks.moreheadstate.edu/celebration_posters_2024/61/.
4. Armengol, S., Ajami, H., Acero Triana, J. S., O. Sickman, J., & Ortega, L., 2024. Isogeochemical characterization of mountain system recharge processes in the Sierra Nevada, California. Water Resources Research 60(7): e2023WR035719. <https://doi.org/10.1029/2023WR035719>.
5. Barclay, J.R., Holland, M.J., and Mullaney, J.R., 2024, Simulated mean monthly groundwater-transported nitrogen loads in watersheds on the north shore of Long Island Sound, 1993–2022: U.S. Geological Survey Scientific Investigations Report 2024–5090, 63 p., <https://doi.org/10.3133/sir20245090>.
6. Bawa, A., Mendoza, K., Srinivasan, R., Parmar, R., Smith, D., Wolfe, K., ... & Corona, J., 2024. Calibration using R-programming and parallel processing at the HUC12 subbasin scale in the Mid-Atlantic region: Development of national SWAT hydrologic calibration. Environmental Modelling & Software 176: 106019. <https://doi.org/10.1016/j.envsoft.2024.106019>.

7. Beachley, G. M., Fenn, M. E., Du, E., de Vries, W., Bauters, M., Bell, M. D., ... & Walker, J. T., 2024. Monitoring nitrogen deposition in global forests. *Atmospheric Nitrogen Deposition to Global Forests*, 17-38. <https://doi.org/10.1016/B978-0-323-91140-5.00019-1>.
8. Boente, Graciela, and Juan Carlos Pardo-Fernández. "Robust tests for equality of regression curves based on characteristic functions." *Statistics* 58, no. 4 (2024): 892-917. DOI: arXiv:2205.12065v4
9. Bouskill, N. J., Newcomer, M., Carroll, R. W. H., Beutler, C., Bill, M., Brown, W. S., ... & Williams, K. H., 2024. A Tale of two catchments: Causality analysis and isotope systematics reveal mountainous watershed traits that regulate the retention and release of nitrogen. *Journal of Geophysical Research: Biogeosciences* 129(3): e2023JG007532. <https://doi.org/10.1029/2023JG007532>
10. Bowdalo, D., Basart, S., Guevara, M., Jorba, O., Pérez García-Pando, C., Jaimes Palomera, M., ... & Tarasova, O., 2024. GHOST: A globally harmonised dataset of surface atmospheric composition measurements. *Earth System Science Data* 16: 4417–4495, 2024. DOI: 10.5194/essd-16-4417-2024.
11. Brehob, M. M., Pennino, M. J., Handler, A. M., Compton, J. E., Lee, S. S., & Sabo, R. D., 2024. Estimates of lake nitrogen, phosphorus, and chlorophyll-a concentrations to characterize harmful algal bloom risk across the United States. *Earth's Future* 12(8): e2024EF004493. DOI 10.1029/2024EF004493.
12. Brown, J. R., Schwartz, J. S., Essington, M. E., He, Q., Kulp, M. A., & Simpson, I. M., 2024. The role of dissolved organic carbon in Great Smoky Mountains National Park streams impacted by long-term acid deposition. *Environmental Monitoring and Assessment* 196(11): 1096. <https://doi.org/10.1007/s10661-024-13276-9>.
13. Bruulsema, T., & Olson, R., 2024. The Role of Sulfur in Meeting 4R Nutrient Stewardship Goals. *Crops & Soils* 57(3): 34-39.
14. Burger, J., & Feigin, S., 2024. Trace element contamination in three shorebird species migrating through Delaware Bay, New Jersey: arsenic, mercury and selenium are increasing. *Ecotoxicology*, 1-13. <https://doi.org/10.1007/s10646-024-02816-1>.
15. Cady-Pereira, K. E., Guo, X., Wang, R., Leytem, A. B., Calkins, C., Berry, E., ... & Kantchev, V., 2024. Validation of MUSES NH 3 observations from AIRS and CrIS against aircraft measurements from DISCOVER-AQ and a surface network in the

Magic Valley. *Atmospheric Measurement Techniques* 17(1): 15-36.
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16. Christiansen, A., Mickley, L. J., & Hu, L., 2024. Constraining long-term NO_x emissions over the United States and Europe using nitrate wet deposition monitoring networks. *Atmospheric Chemistry and Physics* 24(7): 4569-4589.
<https://doi.org/10.5194/acp-24-4569-2024>.
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<https://doi.org/10.1111/gcb.17597>.
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20. Conn, K.E., Janssen, S.E., Opatz, C.C., and Bright, V.A.L., 2024, A conceptual site model of contaminant transport pathways from the Bremerton Naval Complex to Sinclair Inlet, Washington, 2011–21 (ver. 1.1): U.S. Geological Survey Scientific Investigations Report 2024–5011, 111 p., <https://doi.org/10.3133/sir20245011>.
21. Coughlin, J. G., Chang, S. Y., Craig, K., Scarborough, C., Driscoll, C. T., Clark, C. M., & Pavlovic, N. R., 2024. Characterizing localized nitrogen sensitivity of tree species and the associated influences of mediating factors. *Ecosphere* 15(7): e4925. DOI: 10.1002/ecs2.4925.
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23. Custer, C., 2024. Predicting the Abundance and Distribution of Freshwater Fishes Under Global Change. Doctoral Dissertation, Department of Ecology, The Pennsylvania State University.

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25. Dalton, R. M., Miller, J. N., Greaver, T., Sabo, R. D., Austin, K. G., Phelan, J. N., ... & Clark, C. M., 2024. Regional variation in growth and survival responses to atmospheric nitrogen and sulfur deposition for 140 tree species across the United States. *Frontiers in Forests and Global Change* 7: 1426644. DOI 10.3389/fgc.2024.1426644.
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