

## 2017 NADP Reference Listing

Includes 213 publications that used NADP data, made comparisons to NADP data, or resulted from NRSP-3 activities in 2017. A publically available listing of all citations using NADP data is accessible at: <http://nadp.slh.wisc.edu/lib/bibliography.aspx>.

1. Aas, W., Artz, R. S., Bowersox, V. C., Carmichael, G., Cole, A., Dentener, F., ... & O'Connor, F., 2017. Global Atmosphere Watch Workshop on Measurement-Model Fusion for Global Total Atmospheric Deposition (MMF-GTAD), [https://www.wmo.int/pages/prog/arep/gaw/documents/DRAFT\\_GAW\\_REPORT\\_MMF-GTAD\\_4May2017FinalDraft.pdf](https://www.wmo.int/pages/prog/arep/gaw/documents/DRAFT_GAW_REPORT_MMF-GTAD_4May2017FinalDraft.pdf).
2. Acharya, B. S., Hao, Y., Ochsner, T. E., & Zou, C. B. ,2017. Woody plant encroachment alters soil hydrological properties and reduces downward flux of water in tallgrass prairie. *Plant and Soil* 414(1-2): 379-391.
3. Adane, Z. A., 2017. Evaluating the Impacts of Grassland Conversions to Experimental Forest on Groundwater Recharge in the Nebraska Sand Hills. Doctoral Dissertation, University of Nebraska.
4. Aguirre, A. A., Derry, L. A., Mills, T. J., & Anderson, S. P., 2017. Colloidal transport in the Gordon Gulch catchment of the Boulder Creek CZO and its effect on C-Q relationships for silicon. *Water Resources Research* 53(3): 2368-2383.
5. Akers, P. D., Welker, J. M., & Brook, G. A., 2017. Reassessing the role of temperature in precipitation oxygen isotopes across the eastern and central United States through weekly precipitation-day data. *Water Resources Research* 53(9): 7644-7661.
6. Alam, M. J., Goodall, J. L., Bowes, B. D., & Girvetz, E. H., 2017. The Impact of Projected Climate Change Scenarios on Nitrogen Yield at a Regional Scale for the Contiguous United States. *JAWRA Journal of the American Water Resources Association* 53(4): 854-870.
7. Allen, M. F., & Allen, E. B., 2017. Mycorrhizal mediation of soil fertility amidst nitrogen eutrophication and climate change. In *Mycorrhizal Mediation of Soil* (pp. 213-231).

8. Allen, G., Rector, L., Butcher, T., & Trojanowski, R., 2017. Evaluation of alternative filter media for particulate matter emission testing of residential wood heating devices. *Journal of the Air & Waste Management Association* 67(10): 1055-1060.
9. Ambrose, J. L., 2017. Improved methods for signal processing in measurements of mercury by Tekran® 2537A and 2537B instruments. *Atmospheric Measurement Techniques* 10(12): 5063-5073.
10. Anderson, S. M., 2017. Atmospheric Nitrogen Deposition in the Western United States: Sources, Sinks and Changes over Time. Doctoral dissertation, Washington State University.
11. Atkins, J. W., Epstein, H. E., & Welsch, D. L., 2017. Seasonal and inter-annual variability in litter decomposition and nitrogen availability in a mid-Appalachian watershed. *Ecosphere* 8(9):e01908. 10.1002/ecs2.1908.
12. Badia, A., Jorba, O., Voulgarakis, A., Dabdub, D., García-Pando, C. P., Hilboll, A., ... & Janjic, Z., 2017. Description and evaluation of the Multiscale Online Nonhydrostatic Atmosphere Chemistry model (NMMB-MONARCH) version 1.0: gas-phase chemistry at global scale. *Geoscientific Model Development* 10(2): 609.
13. Balasubramanian, Srinidhi, Andrew Nelson, Sotiria Koloutsou-Vakakis, Jie Lin, Mark J. Rood, LaToya Myles, and Carl Bernacchi. 2017. Evaluation of DeNitrification DeComposition model for estimating ammonia fluxes from chemical fertilizer application. *Agricultural and Forest Meteorology* 237: 123-134.
14. Baron, J. S., Blett, T., Malm, W. C., Alexander, R. M., & Doremus, H., 2017. Protecting National Parks from Air Pollution Effects: Making Sausage from Science and Policy. *Science, Conservation, and National Parks* 141.
15. Battaglia Jr, M. A., Douglas, S., & Hennigan, C. J., 2017 Effect of the Urban Heat Island on Aerosol pH. *Environmental Science & Technology*, 51(22): 13095-13103.
16. Beck, M., 2017. The Effect of Chronic Nutrient Addition from Wastewater on Forest Ecosystems at the Rice Rivers Center. Master's Thesis, Virginia Commonwealth University.
17. Bell, M. D., Phelan, J., Blett, T. F., Landers, D., Nahlik, A. M., Van Houtven, G., ... & Hewitt, J., 2017. A framework to quantify the strength of ecological links between an environmental stressor and final ecosystem services. *Ecosphere* 8(5) 8(5): 1806. 10.1002/ecs2.1806.

18. Benedict, K. B., Prenni, A. J., Carrico, C. M., Sullivan, A. P., Schichtel, B. A., & Collett, J. L., 2017. Enhanced concentrations of reactive nitrogen species in wildfire smoke. *Atmospheric Environment* 148, 8-15.
19. Bian, H., Chin, M., Hauglustaine, D. A., Schulz, M., Myhre, G., Bauer, S. E., ... & Pozzer, A., 2017. Investigation of global particulate nitrate from the AeroCom phase III experiment. *Atmospheric Chemistry and Physics* 17(21): 12911.
20. Bidwell, A. L., 2017. Urbanization impacts on epiphytic nitrogen and metal cycling in *Acer macrophyllum* stands in Western Washington, USA. Doctoral dissertation.
21. Bird, E.J. and Choi, Y.D., 2017. Response of native plants to elevated soil nitrogen in the sand dunes of Lake Michigan, USA. *Biological Conservation* 212: 398–405
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25. Budisulistiorini, S. H., Nenes, A., Carlton, A. G., Surratt, J. D., McNeill, V. F., & Pye, H. O., 2017. Simulating Aqueous-Phase Isoprene-Epoxydiol (IEPOX) Secondary Organic Aerosol Production During the 2013 Southern Oxidant and Aerosol Study (SOAS). *Environmental Science & Technology* 51(9): 5026-5034.
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27. Canham, C. D., and L. Murphy. 2017. The demography of tree species response to climate: sapling and canopy tree survival. *Ecosphere* 8(2):e01701. 10.1002/ecs2.1701
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29. Castle, S. C., Sullivan, B. W., Knelman, J., Hood, E., Nemergut, D. R., Schmidt, S. K., & Cleveland, C. C., 2017. Nutrient limitation of soil microbial activity during the earliest stages of ecosystem development. *Oecologia* 185(3): 513-524.
30. Cheng, I., Zhang, L., Castro, M., & Mao, H., 2017. Identifying Changes in Source Regions Impacting Speciated Atmospheric Mercury at a Rural Site in the Eastern United States. *Journal of the Atmospheric Sciences* 74(9): 2937-2947.
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33. Cigelske, B. D., 2017. Soybean Response to Nitrogen and Sulfur Fertilization. Doctoral dissertation, North Dakota State University.
34. Clark, A. T., 2017. Constraints and tradeoffs: Toward a predictive, mechanism-based understanding of ecological communities. Doctoral dissertation, University of Minnesota.
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37. Craft, K. J., 2017. Modeling long-term impacts of alternative subsurface drainage systems and quantifying impacts of cover crops. Doctoral dissertation, Iowa State University.
38. Cronan, C.S., 2017. *Ecosystem Biogeochemistry: Element Cycling in the Forest Landscape*. Springer Publishers, Inc., ISBN 3319664441, 9783319664446.
39. Crowley, K. F., & Lovett, G. M., 2017. Effects of nitrogen deposition on nitrate leaching from forests of the northeastern United States will change with tree species composition. *Canadian Journal of Forest Research* 47(8): 997-1009.

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