

## 2011 NADP-Referenced Publications

Include 172 publications that used NADP data or resulted from NRSP 3 activities in 2011. A publically available online database that lists citations using NADP data is accessible at: <http://nadp.slh.wisc.edu/lib/bibliography.aspx>.

1. Aishlin, P., McNamara, J.P., 2011. Bedrock infiltration and mountain block recharge accounting using chloride mass balance. *Hydrological J.* 25:1934-1948, doi:10.1002/hyp.7950.
2. Aitkenhead-Peterson, J.A., Nahar, N., Harclerode, C.L., Stanley, N.C., 2011. Effect of urbanization on surface water chemistry in south-central Texas. *Urban Ecosyst.* 14: 195-210, doi:10.1007/s11252-010-0147-2.
3. Aitkenhead-Peterson, J.A., Dvorak, B.D., Volder, A., Stanley, N.C., 2011. Chemistry of growth medium and leachate from green roof systems in south-central Texas. *Urban Ecosyst.* 14: 17-33, doi:10.1007/s11252-010-0137-4.
4. Allen, R., Myles, L., Heuer, M.W., 2011. Ambient ammonia in terrestrial ecosystems: A comparative study in the Tennessee Valley, USA. *Science of the Total Environ.* 409: 2768–2772.
5. Allen, D.J., Pickering, K.E., Pinder, R.W., Henderson, B.H., Appel, K.W., Prados, A., 2011. Impact of lightning-NO on eastern United States photochemistry during the summer of 2006 as determined using the CMAQ model. *Atmos. Chem. Phys. Discuss.* 11: 17699-17757, doi:10.5194/acpd-11-17699-2011.
6. Amos, H.M., Jacob, D.J., Holmes, C.D., Fisher, J.A., Wang, Q., Yantosca, R.M., Corbitt, E.S., Galarneau, E., Rutter, A.P., Gustin, M.S., Steffen, A., Schauer, J.J., Graydon, J.A., St. Louis, V.L., Talbot, R.W., Edgerton, E.S., Sunderland, E.M., 2011. Gas-particle partitioning of atmospheric Hg(II) and its effect on global mercury deposition. *Atmos. Chem. Phys. Discuss.* 11: 29441-29477, doi:10.5194/acpd-11-29441-2011.
7. Appel, K.W., Foley, K.M., Bash, J.O., Pinder, R.W., Dennis, R.L., Allen, D.J., Pickering, K., 2011. A multi-resolution assessment of the Community Multiscale Air Quality (CMAQ) model v4.7 wet deposition estimates for 2002–2006. *Geosci. Model Dev.* 4: 357–371, doi:10.5194/gmd-4-357-2011.
8. Appel, K.W., Gilliam, R.C., Davis, N., Zubrow, A., Howard, S.C., 2011. Overview of the atmospheric model evaluation tool (AMET) v1.1 for evaluating meteorological and air quality models. *Environ. Modelling & Software* 26: 4340-4443.
9. Avila-Segura, M., Barak, P., Jedtcke, J.L., Posner, J.L., 2011. Nutrient and alkalinity removal by corn grain, stover and cob harvest in Upper Midwest USA. *Biomass and Bioenergy* 35: 1190-1195.

10. Baron, J.S., Driscoll, C.T., Stoddard, J.L., Richer, E.E., 2011. Empirical Critical Loads of Atmospheric Nitrogen Deposition for Nutrient Enrichment and Acidification of Sensitive US Lakes. *BioScience* 61:602-613.
11. Belovsky, G.E., Stephens, D., Perschon, C., Birdsey, P., Paul, D., Naftz, D., Baskin, R., Larson, C., Mellison, C., Luft, J., Mosley, R., Mahon, H., Van Leeuwen, J., Allen, D.V., 2011. The Great Salt Lake ecosystem (Utah, USA): Long-term data and a structural equation approach. *Ecosphere* 2(33), 44pp., doi:10.1890/ES10-00091.1.
12. Benson, L.V., 2011. Factors controlling pre-Columbian and early historic maize productivity in the American Southwest, Part 1: The Southern Colorado Plateau and Rio Grande Regions. *J. Arch. Method Theory* 18: 1-60, doi:10.1007/s10816-010-9082-z.
13. Brown, S.G., Lee, T., Norris, G.A., Roberts, P.T., Collett, Jr., J.L., Paatero, P., Worsnop, D.R., 2011. Receptor modeling of near-roadway aerosol mass spectrometer data in Las Vegas, Nevada, with EPA PMF. *Atmos. Chem. Phys. Discuss.* 11: 22909-22950, doi:10.5194/acpd-11-22909-2011.
14. Caffrey, J.M., Landing, W.M., Nolek, S.D., Gosnell, K.J., Bagui, S.S., Bagui, S.C., 2011. Atmospheric deposition of mercury and major ions to the Pensacola (Florida) watershed: Spatial, seasonal, and inter-annual variability. *Atmos. Chem. Phys.* 10: 5425-5434, doi:10.5194/acp-10-5425-2010.
15. Cai, M., Schwartz, J.S., Robinson, R.B., Moore, S.E., Kulp, M.A., 2011. Long-term annual and seasonal patterns of acidic deposition and stream water quality in a Great Smoky Mountains high-elevation watershed. *Water Air Soil Poll.* 219: 547-562, doi:10.1007/s11270-010-0727-z.
16. Chalmers, A., Argue, D., Gay, D.A., Brigham, M., Lorenz, D., Schmitt, C., 2011. Mercury trends in fish tissue from streams and lakes in the United States, 1969 to 2005. *Environ. Mon. and Assess.* 175: 175-191, doi:10.1007/s10661-010-1504-6.
17. Chan, C., Heinbokel, J.F., Myers, J.A., Jacobsk, R.R., 2011. Development and evaluation of a dynamic model that projects population biomarkers of methylmercury exposure from local fish consumption. *Integrated Environ. Assess. and Man.* 7: 624 to 635.
18. Chen, L., Dick, W.A., 2011. Gypsum as an Agricultural Amendment: General Use Guidelines, Ohio State University Extension Document, 36 pp.
19. Choi, H.-S., Rom, C.R., 2011. Estimated nitrogen use efficiency, surplus, and partitioning in young apple trees grown in varied organic production systems. *Scientia Horticulturae* 129: 674-679.
20. Clair, T.A., Burns, D., Rosas Pérez, I., Blais, J., Percy, K., 2011. Chapter 6 Ecosystems. In *Technical Challenges of Multipollutant Air Quality Management*. G.M. Hidy, Brook, J.R., Demerjian, K.L., Molina, L.T., Pennell, W.T., Scheffe, R.D. (eds.), Springer Science+Business Media, 553 pp., doi:10.1007/978-94-007-0304-9\_10.
21. Clark, C.M., 2011. Chapter 11: Great Plains, in assessment of nitrogen deposition effects and empirical critical loads of nitrogen for ecoregions of the United States. Pardo, L.H.; Robin-Abbott, M.J.; Driscoll, C.T., eds., Gen. Tech. Rep. NRS-80. Newtown Square, PA: U.S. Dept. of Agriculture, Forest Service, Northern Research Station, 291 pp.

22. Coburn, S., Dix, B., Sinreich, R., Volkamer, R., 2011. Development and characterization of the CU ground MAX-DOAS instrument: lowering RMS noise and first measurements of BrO, IO, and CHOCHO near Pensacola, FL. *Atmos. Meas. Tech. Discuss.* 4: 247-284.
23. Coe, P.K., Johnson, B.K., Wisdom, M.J., Cook, J.G., Vavra, M., Nielson, R.M., 2011. Validation of elk resource selection models with spatially independent data. *J. Wildlife Man.* 75: 159-170, doi:10.1002/jwmg.10.
24. Committee on the Evaluation of Chesapeake Bay Program Implementation for Nutrient Reduction to Improve Water Quality, 2011. *Achieving Nutrient and Sediment Reduction Goals in the Chesapeake Bay: An Evaluation of Program Strategies and Implementation.* The National Academy Press, Washington DC, ISBN 978-309-21079-9, 247 pp.
25. Compton, J.E., Church, M.R., 2011. Salt additions alter short-term nitrogen and carbon mobilization in a coastal Oregon Andisol. *J. Environ. Qual.* 40: 1601-1606, doi:10.2134/jeq2011.0013.
26. Compton, J.E., Harrison, J.A., Dennis, R.L., Greaver, T.L., Hill, B.H., Jordan, S.J., Walker, H., Campbell, H.V., 2011. Ecosystem services altered by human changes in the nitrogen cycle: A new perspective for U.S. decision making. *Ecology Letters* 14: 804-815, doi:10.1111/j.1461-0248.2011.01631.x.
27. Cusack, D.F., Silver, W.L., Torn, M.S., Burton, S.D., Firestone, M.K., 2011. Changes in microbial community characteristics and soil organic matter with nitrogen additions in two tropical forests. *Ecology* 92: 621-632.
28. DeForest, J.L., McCarthy, B.C., 2011. Diminished soil quality in an old-growth, mixed mesophytic forest following chronic acid deposition. *Northeastern Naturalist* 18: 177-184. <http://www.bioone.org/doi/full/10.1656/045.018.0204>.
29. Dietze, M.C., Moorcroft, P.R., 2011. Tree mortality in the eastern and central United States: patterns and drivers. *Global Change Biology* 17: 3312-3326, doi:10.1111/j.1365-2486.2011.02477.x.
30. Dillon, P., Dixon, G., Driscoll, C., Giesy, J., Hulbert, S., Nriagu, J., 2011. Evaluation of Four Reports on Contamination of the Athabasca River System by Oil Sands Operations. Report of the Water Monitoring Data Review Committee, Government of Alberta, Canada, 55pp.
31. DiMilla, P.A., Nixon, S.W., Oczkowski, A.J., Altabet, M.A., McKinney, R.A., 2011. Some challenges of an "upside down" nitrogen budget: Science and management in Greenwich Bay, RI (USA). *Marine Poll. Bulletin* 62: 672-680.
32. Drenner, R.W., Chumchal, M.W., Wentz, S.P., McGuire, M., Drenner, S.M., 2011. Landscape-level patterns of mercury contamination of fish in North Texas, USA. *Environ. Tox. Chem.* 30: 2041-2045.
33. Du, S., Rodenburg, L.A., 2011. Chapter 6 Measurement and modeling of semivolatile organic compounds in local atmospheres. In: *Biophysico-chemical processes of anthropogenic organic compounds in environmental systems*, Xing, B., Senesi, N., Huang, P.M. (eds.), John Wiley & Sons, Inc. ISBN-13: 9780470539637.

34. Eller, A.S.D., McGuire, K.L., Sparks, J.P., 2011. Responses of sugar maple and hemlock seedlings to elevated carbon dioxide under altered above- and belowground nitrogen sources. *Tree Physiol.* 31: 391-401, doi:10.1093/treephys/tpr014.
35. Endale, D.M., Fisher, D.S., Jenkins, M.B., Schomberg, H.S., Stevens, C.L., 2011. Water Quantity and Quality from a Small Georgia Pasture During 1998-2009: Impact of Drought. Proceedings of 2011 Georgia Water Resour. Conference, held April 11– 13, 2011, at The University of Georgia.
36. Epstein, D.M., 2011. 15N Tracer and Modeling Analyses of Nutrient Transport Through Lakes in a Subalpine Watershed. Master's Thesis, Watershed Sciences Dept., Utah State Univ., 107 pp.
37. Fain, X., Obrist, D., Pierce, A., Barth, C., Gustin, M.S., Boyle, D.P., 2011. Whole-watershed mercury balance at Sagehen Creek, Sierra Nevada, CA. *Geochimica et Cosmochimica Acta* 75: 2379-2392.
38. Fan, Y-C., 2011. Temporal and Spatial Distribution of Mercury and Heavy Metals in Wet Deposition in Taiwan. Master's Thesis, National Central University, Taiwan.
39. Faulkner, J.W., Zhang, W., Geohring, L.D., Steenhuis, T.S., 2011. Nutrient transport within three vegetative treatment areas receiving silage bunker runoff. *J. Environ. Man.* 92: 587-595.
40. Faulkner, J.W., Zhang, W., Geohring, L.D., Steenhuis, T.S., 2011. Tracer movement through paired vegetative treatment areas receiving silage bunker runoff. *Soil Water Conservation* 66: 18-28.
41. Felton, D., and K. Civerolo, 2011. Air monitoring plan for establishing an ambient mercury baseline for New York State, Final report, EPA RFA Number OAR-EMAD-05-16.
42. Finlay, J.C., Hood, J.M., Limm, M.P., Power, M.E., Schade, J.D., Welter, J.R., 2011. Light-mediated thresholds in stream-water nutrient composition in a river network. *Ecology* 92: 140-150.
43. Fisher, J.A., Jacob, D.J., Wang, Q., Bahreini, R., Carouge, C.C., Cubison, M.J., Dibb, J.E., Diehl, T., Jimenez, J.L., Lebensperger, E.M., Lu, Z., Meinders, M.B.J., Pye, H.O.T., Quinn, P.K., Sharmam, S., Streets, D.G., van Donkelaar, A., Yantosca, R.M., 2011. Sources, distribution, and acidity of sulfate ammonium aerosol in the Arctic in winter-spring. *Atmos. Environ.* 45: 7301-7318.
44. Flechard, C.R., Nemitz, E., Smith, R.I., Fowler, D., Vermeulen, A.T., Bleeker, A., Erisman, J.W., Simpson, D., Zhang, L., Tang, Y.S., Sutton, M.A., 2011. Dry deposition of reactive nitrogen to European ecosystems: a comparison of inferential models across the NitroEurope network. *Atmos. Chem. Phys.* 11: 2703–2728, doi:10.5194/acp-11-2703-2011.
45. Fortner, S.K., Lyons, W.B., Carey, A.E., Shipitalo, M.J., Welch, S.A., Welch, K.A., 2011. Silicate weathering and CO<sub>2</sub> consumption within agricultural landscapes, the Ohio-Tennessee River Basin, USA. *Biogeosciences Discuss.* 8: 9431-9469, doi:10.5194/bgd-8-9431-2011.
46. Furl, C.V., Meredith, C.A., 2011. Mercury accumulation in sediment cores from three Washington State lakes: Evidence for local deposition from a coal-fired power plant. *Arch. Environ. Contam. Toxicol.* 60: 26-33, doi:10.1007/s00244-010-9530-5.

47. Gabriel, M., Howard, N., Atkins, S., 2011. Annual Permit Compliance Monitoring Report for Mercury in Downstream Receiving Waters of the Everglades Protection Area. Appendix 3B-1 in 2011 South Florida Environmental Report. South Florida Water Management District, West Palm Beach, FL.
48. Gardner, K.K., McGlynn, B.L., Marshall, L.A., 2011. Quantifying watershed sensitivity to spatially variable N loading and the relative importance of watershed N retention mechanisms. *Water Resour. Res.* 47: W08524, doi:10.1029/2010WR009738.
49. Garten, C.T., Wullschleger, S.D., Classen, A.T., 2011. Review and model-based analysis of factors influencing soil carbon sequestration under hybrid poplar. *Biomass and Bioenergy* 35: 214-226.
50. Geiser, L.H., Nadelhoffer, K., 2011. Chapter 6: Taiga, in Assessment of nitrogen deposition effects and empirical critical loads of nitrogen for ecoregions of the United States. Pardo, L.H., Robin-Abbott, M.J., Driscoll, C.T., eds., Gen. Tech. Rep. NRS-80. Newtown Square, PA: U.S. Dept. of Agriculture, Forest Service, Northern Research Station, 291 pp.
51. Gilliam, F.S., Goodale, C.L., Pardo, L.H., Geiser, L.H., Lilleskov, E.A., 2011. Chapter 10: Eastern temperate forests, in Assessment of nitrogen deposition effects and empirical critical loads of nitrogen for ecoregions of the United States. Pardo, L.H., Robin-Abbott, M.J., Driscoll, C.T., eds., Gen. Tech. Rep. NRS-80. Newtown Square, PA: U.S. Dept. of Agriculture, Forest Service, Northern Research Station, 291 pp.
52. Gratz, L.E., Keeler, G.J., 2011. Sources of mercury in precipitation to Underhill, VT. *Atmos. Environ.* 45: 5440-5449.
53. Greaver, T.L., Liu, L., Bobbink, R., 2011. Chapter 17: Wetlands, in Assessment of nitrogen deposition effects and empirical critical loads of nitrogen for ecoregions of the United States. Pardo, L.H., Robin-Abbott, M.J., Driscoll, C.T., eds., Gen. Tech. Rep. NRS-80. Newtown Square, PA: U.S. Dept. of Agriculture, Forest Service, Northern Research Station, 291 pp.
54. Greenquist, M.A., Schwarz, A.K., Klopfenstein, T.J., Schacht, W.H., Erickson, G. E., Vander Pol, K.J., Luebke, M.K., Brink, K.R., Baleseng, L.B., 2011. Effects of nitrogen fertilization and dried distillers grains supplementation: Nitrogen use efficiency. *J. Anim. Sci.* 89: 1146-1152, doi:10.2527/jas.2010-2902.
55. Guy, A., DeSutter, T., 2011. Effects of Major Flooding on Water and Sediment Characteristics in an Urban Environment, Technical Report No: ND11-01, North Dakota Water Resour. Research Institute, North Dakota State University, Fargo, North Dakota, 27 pp.
56. Hansen, A.M., Corzo Juarez, C., 2011. Evaluation of the pollution of hydrological river basins: Priorities and needs, in *Water resources in Mexico, Hexagon Series on Human and Environmental Security and Peace, Volume 7, Part 3*, 201-215, doi:10.1007/978-3-642-05432-7\_15.
57. Hanson, R.A., Stone, J., 2011. Mercury total Maximum Daily Load Evaluation for the State of South Dakota. South Dakota Dept. of Environ. and Natural Resour., 23 pp.

58. Hendricks, G.S., Shukla, S., 2011. Water and nitrogen management effects on water and nitrogen fluxes in Florida flatwoods. *J. Environ. Qual.* 40: 1844-1856, doi:10.2134/jeq2011.0001.
59. Herndon, E.M., Jin, L., Brantley, S.L., 2011. Soils reveal widespread manganese enrichment from industrial inputs. *Environ. Sci. Tech.* 45: 241-247.
60. Hidy, G.H., Brook, J.R., Demerjian, K.L., 2011. Chapter 12 Past Examples of Multipollutant Air Quality. Management and Accountability. In *Technical Challenges of Multipollutant Air Quality Management*. G.M. Hidy, Brook, J.R., Demerjian, K.L., Molina, L.T., Pennell, W.T., Scheffe, R.D. (eds.), Springer Science+Business Media, 553 pp., doi:10.1007/978-94-007-0304-9\_10.
61. Holland, A., Sorkin, J., 2011. Air Quality Analysis Technical Support Document For the White River Oil and Gas Leasing Environmental Impact Statement, in Support of Forest Service Contract AG-3187-C-06-0051, Modifications 0010 and 0024, ftp://ftp.air-resource.com/WhiteRiverNF/WRNF-TSDReport\_070111.pdf.
62. Hong, S.-B., Kim, W.-H., Ko, H.J., Lee, S.-B., Lee, D.-E., Kang, C.-H., 2011. Characteristics of formate and acetate concentrations in precipitation at Jeju Island, Korea. *Atmos. Res.* 101: 427-437.
63. Huang, W., Wang, K., Breidt, F.J., Davis, R.A., 2011. A class of stochastic volatility models for environmental applications. *J. Time Ser. Anal.* 32: 364-377 doi:10.1111/j.1467-9892.2011.00735.x.
64. Inglett, P.W., Rivera-Monroy, V.H., Wozniak, J.R., 2011. Biogeochemistry of nitrogen across the Everglades landscape. *Critical Reviews in Environ. Sci. Tech.* 41: 187-216.
65. Isard, S. A., Barnes, C. W., Hambleton, S., Ariatti, A., Russo, J. M., Tenuta, A., Gay, D. A., and Szabo, L. J. 2011. Predicting soybean rust incursions into the North American continental interior using crop monitoring, spore trapping, and aerobiological modeling. *Plant Dis.* 95: 1346-1357.
66. Isidoro, D., Grattan, S.R., 2011. Predicting soil salinity in response to different irrigation practices, soil types and rainfall scenarios. *Irrigation Sci.* 29: 197-211.
67. Jao, Y.C., 2011. Comparison of precipitation chemistry observed at five island stations in East Asia. Master's Thesis, Graduate Institute of Atmospheric Physics, National Central University, Taiwan.
68. Jin, L., Andrews, D.M., Holmes, G.H., Lin, H., Brantley, S.L., 2011. Opening the "black box": Water chemistry reveals hydrological controls on weathering in the Susquehanna Shale Hills Critical Zone Observatory. *Vadose Zone J.* 10: 928-942, doi:10.2136/vzj2010.0133.
69. Johnson, D.R., Ebert-May, D., Webber, P.J., Tweedie, C.E., 2011. Forecasting alpine vegetation change using repeat sampling and a novel modeling approach. *AMBIO* 40: 693-704, doi:10.1007/s13280-011-0175-z.
70. Jones, R.O., Chapman, S.K., 2011. The roles of biotic resistance and nitrogen deposition in regulating non-native understory plant diversity. *Plant Soil* 345: 257-269, doi:10.1007/s11104-011-0778-y.
71. Karouna-Reiner, N.K., Snyder, R.A., Lange, T., Gibson, S., Allison, J.G., Wagner, M.E., Rao, K.R., 2011. Largemouth bass (*Micropterus salmoides*) and striped mullet (*Mugil cephalus*) as

vectors of contaminants to human consumers in northwest Florida. *Marine Environ. Res.* 72: 96-104.

72. Kaushal, S.S., Groffman, P.M., Band, L.E., Elliott, E.M., Shields, C.A., Kendall, C., 2011. Tracking nonpoint source nitrogen pollution in human-impacted watersheds. *Environ. Sci. Tech.* 45: 8225-8232, [dx.doi.org/10.1021/es200779e](https://doi.org/10.1021/es200779e).
73. Ketterings, Q., Miyamoto, C., Mathur, R.R., Dietzel, K., Gami, S., 2011. A comparison of soil sulfur extraction methods. *Soil Science Soc. America* 75: 1578-1583, [doi:10.2136/sssaj2010.0407](https://doi.org/10.2136/sssaj2010.0407).
74. Knapp, K.R., Ansari, S., Bain, C.L., Bourass, M.A., Dickinson, M.J., Funk, C., Helms, C.N., Hennon, C.C., Holmes, C.D., Huffman, G.J., Koss, J.P., Lee, H.-T., Loew, A., Magnusdotti, G., 2011. Globally gridded satellite observations for climate studies. *Bull. Amer. Meteor. Soc.* 92: 893-907, [doi:http://dx.doi.org/10.1175/2011BAMS3039.1](https://doi.org/10.1175/2011BAMS3039.1).
75. Koch, D., Bauer, S.E., del Genio, A., Faluvelgi, G., McConnell, J.R., Menon, S., Miller, R.L., Rind, D., Ruedy, R., Schmidt, G.A., Shindell, D., 2011. Coupled aerosol-chemistry-climate twentieth-century transient model investigation: Trends in short-lived species and climate responses. *J. Climate* 24: 2693-2714.
76. Kolka, R., Sebestyen, S., Verry, E.S., Brooks, K. (eds.), 2011. *Peatland Biogeochemistry and Watershed Hydrology at the Marcell Experimental Forest*. ISBN: 9781439814246, 512 pp.
77. Konkler, M.J., 2011. *Methylmercury in Mosquitoes: Impact of a Large Coal-Fired Power Station in Central Ohio*. Master's Thesis, Muskingum University, 2008 2011 Wright State University, 36 pp.
78. Lafabrie, C., Major, K.M., Major, C.S., Miller, M.M., Cebriana, J., 2011. Comparison of morphology and photo-physiology with metal/metalloid contamination in *Vallisneria neotropicalis*. *J. Hazardous Materials* 191: 356-365.
79. Lafreniere, M.J., Sinclair, K.E., 2011. Snowpack and precipitation chemistry at a high altitude site in the Canadian Rocky Mountains. *J. Hydrology* 409: 737-748.
80. Larssen, T., Duan, L., Mulfer, J., 2011. Deposition and leaching of sulfur, nitrogen and calcium in four forested catchments in China: Implications for acidification. *Environ. Sci. Tech.* 45: 1192-1198, [dx.doi.org/10.1021/es103426p](https://doi.org/10.1021/es103426p).
81. Latysh, N.E. and Wetherbee, G.A., 2011, Improved mapping of National Atmospheric Deposition Program wet-deposition in complex terrain using PRISM-gridded data sets, *Environ. Mon. and Assess.*, [doi 10.1007/s10661-011-2009-7](https://doi.org/10.1007/s10661-011-2009-7), 16 p.
82. Lawrence, G.B., Simonin, H.A., Baldigo, B.P., Roy, K.M., Capone, S.B., 2011. Changes in the chemistry of acidified Adirondack streams from the early 1980s-2008. *Environ. Poll.* 159: 2750-2758.
83. Lawrence, G. B.; Sullivan, T. J.; Weathers, K. C.; Cosby, B. J.; McDonnell, T. C., 2011. Comparison of methods for estimating critical loads of acidic deposition in the western Adirondack region of New York. NYSERDA Report 11-13, New York State Energy Research and Technology Authority, Albany, NY.

84. Leibensperger, E.M., Mickley, L.J., Jacob, D.J., Chen, W.-T., Seinfeld, J.H., Nenes, A., Adams, P.J., Streets, D.G., Kuman, N., Rind, D., 2011. Climatic effects of 1950–2050 changes in U.S. anthropogenic aerosols – Part 1: Aerosol trends and radiative forcing. *Atmos. Chem. Phys. Discuss.* 11: 24085-24125, doi:10.5194/acpd-11-24085-2011.
85. Lin, J., Li, J., 2011. Nutrient response modeling in falls of the Neuse Reservoir. *Environ. Man.* 47: 398-409, doi:10.1007/s00267-011-9617-4.
86. Liu, J., Vogelmann, J.E., Zhu, Z., Key, C.H., Sleeter, B.M., Price, D.T., Chen, J.M., Cochrane, M.A., Eidenshink, J.C., Howard, S.M., Bliss, N.B., Jiang, H., 2011. Estimating California ecosystem carbon change using process model and land cover disturbance data: 1951–2000. *Ecological Modeling* 222: 2333-2341.
87. Lloyd, P., 2011. Air pollution perceptions and their impacts on the coal industry. *J. Southern African Institute of Mining and Metallurgy* 111: 573-579.
88. Lobdell, D.T., Jagai, J.S., Rappazzo, K., Messer, L.C., 2011. Data Sources for an Environmental Quality Index: Availability, Quality, and Utility. *Am. J. Public Health.* 101: S277-S285, doi:10.2105/AJPH.2011.300184.
89. Lombard, M.A.S., Bryce, J.G., Mao, H., Talbot, R., 2011. Mercury deposition in southern New Hampshire, 2006 to 2009. *Atmos. Chem. Phys. Discuss.* 11: 4569-4598, [www.atmos-chem-phys-discuss.net/11/4569/2011/](http://www.atmos-chem-phys-discuss.net/11/4569/2011/).
90. Long, R.P., Horsley, S.B., Hall, T.J., 2011. Long-term impact of liming on growth and vigor of northern hardwoods. *Can. J. For. Res.* 41: 1295-1307, doi:10.1139/X11-049.
91. Lottig, N.R., Stanley, E.H., Hanson, P.C., Kratz, T.K., 2011. Comparison of regional stream and lake chemistry: Differences, similarities, and potential drivers. *Limnol. Oceanogr.*, 56: 1551-1562, doi:10.4319/lo.2011.56.5.1551.
92. Lucas, R.W., Klaminder, J., Futter, M.N., Bishop, K.H., Engell, G., Luadon, H., Hogberg, P., 2011. A meta-analysis of the effects of nitrogen additions on base cations: Implications for plants, soils, and streams. *Forest Ecology and Man.* 262: 95-104.
93. Luo, C.L., Wang, Y., Mueller, S., Knipping, E., 2011. Diagnosis of an underestimation of summertime sulfate using the Community Multiscale Air Quality model. *Atmos. Environ.* 45: 5119-5130.
94. Malapati, A., Bronson, K.F., Booker, J.D., Hudnall, W.H., Schubert, A.M., 2011. Soil profile sulfate in irrigated southern high plains cotton fields and Ogallala groundwater. *J. Soil and Water Conservation* 66: 287-294, doi:10.2489/jswc.66.5.287.
95. Mast, M.A., Turk, J.T., Clow, D.W., Campbell, D.H., 2011. Response of lake chemistry to changes in atmospheric deposition and climate in three high-elevation wilderness areas of Colorado. *Biogeochemistry* 103: 27-43, doi:10.1007/s10533-010-9443-4.
96. May, D.B., 2011. Prediction of Urban Stormwater Quality at Unmonitored Catchments Using Artificial Neural Networks. Doctor of Philosophy Dissertation, University of Wollongong. School of Civil, Mining and Environmental Engineering, University of Wollongong, 2011. <http://ro.uow.edu.au/theses/3411>, 607 pp.



97. McLaughlan, K.K., Craine, J.M., 2011. Species-specific trajectories of nitrogen isotopes in Indiana hardwood forests, USA. *Biogeosciences Discuss.* 8: 5935-5954, doi:10.5194/bgd-8-5935-2011.
98. Miller, M.B., Gustin, M.S., Eckley, C.S., 2011. Measurement and scaling of air–surface mercury exchange from substrates in the vicinity of two Nevada gold mines. *Science of the Total Environ.* 409: 3879-3886.
99. Mitchell, M.J., Lovett, G., Bailey, S., Beall, F., Burns, D., Buso, D., Clair, T., Courchesne, F., Duchesne, L., Eimers, C., Fernandez, I., Houle, D., Jeffries, D.S., Likens, G.E., Moran, M.D., Rogers, C., Schwede, D., Shanley, J., Weathers, K.C., Vet, R., 2011. Comparisons of watershed sulfur budgets in southeast Canada and northeast U.S.: new approaches and implications. *Biogeochemistry* 103: 181-207.
100. Money, E.S., Sackett, D.K., Aday, D.D., Serre, M.L., 2011. Using river distance and existing hydrography data can improve the geostatistical estimation of fish tissue mercury at unsampled locations. *Environ. Sci. Tech.* 45: 7746-7753 dx.doi.org/10.1021/es2003827.
101. Monson, B.A., Staples, D.F., Bhavsar, S.P., Holsen, T.M., Schrank, C.S., Moses, S.K., McGoldrick, D.J., Backus, S.M., Williams, K.A., 2011. Spatiotemporal trends of mercury in walleye and largemouth bass from the Laurentian Great Lakes Region. *Ecotoxicology* 20: 1555-1567, doi:10.1007/s10646-011-0715-0.
102. Montgomery, C.W., 2011. *Environmental Geology*. McGraw-Hill Publishing, New York, NY, 542 pp.
103. Moore, C.W., 2011. Factors Influencing Surface Atmosphere Exchange of Gaseous Elemental Mercury in Western Maryland. Doctor of Philosophy Dissertation, Graduate School of the University of Maryland, College Park, MD, 128 pp.
104. Moore, R.B., Johnston, C.M., Smith, R.A., Milstead, B., 2011. Source and delivery of nutrients to receiving waters in the northeastern and Mid-Atlantic regions of the United States. *J. American Water Resour. Assoc.* 47: 965-990, doi:10.1111/j.1752-1688.2011.00582.x.
105. Morton, J.L., 2011. Evaluating the Role of Mercury Chemistry in the Community Multiscale Air Quality Model. Master Thesis, University of Wisconsin-Madison, University of Wisconsin
106. Naftz, D.L., Schuster, P.F., Johnson, C.A., 2011. A 50-year record of NO<sub>x</sub> and SO<sub>2</sub> sources in precipitation in the Northern Rocky Mountains, USA. *Geochemical Transactions* 12: 10 pp., doi:10.1186/1467-4866-12-4.
107. Naik, A.P., Hammerschmidt, C.R., 2011. Mercury and trace metal partitioning and fluxes in suburban Southwest Ohio watersheds. *Water Res.* 45: 5151-5160.
108. Nasr, M., Arp, P.A., 2011. Hg concentrations and accumulations in fungal fruiting bodies, as influenced by forest soil substrates and moss carpets. *Applied Geochemistry* 26: 1905-1917.
109. Nel, C., 2011. Recent hydrologic change in a Colorado alpine basin: An indicator of permafrost thaw? *Annals of Glaciology* 51: 130-134.
110. Norton, S.A., Perry, R.H., Saros, J.E., Jacobson, G.L., Fernandez, I.J., Kopacek, J., Wilson, T.A., San Clements, M.D., 2011. The controls on phosphorus availability in a boreal lake ecosystem since deglaciation. *J. Paleolimnol.* 46: 107-122, doi:10.1007/s10933-011-9526-9.

111. Obrist, D., Johnson, D.W., Lindberg, S.E., Luo, Y., Hararuk, O., Bracho, R., Battles, J.J., Dail, D.B., Edmonds, R.L., Monson, R.K., Ollinger, S.V., Pallardy, S.G., Pregitzer, K.S., Todd, D.E., 2011. Mercury distribution across 14 U.S. forests. Part I: Spatial patterns of concentrations in biomass, litter, and soils. *Environ. Sci. Tech.* 45: 3974-3981, dx.doi.org/10.1021/es104384m.
112. Orem, W., Gilmour, C., Axelrad, D., Krabbenhoft, D., Scheidt, D., Kalla, P., McCormick, P., Gabriel, M., Aiken, G., 2011. Sulfur in the South Florida ecosystem: Distribution, sources, biogeochemistry, impacts, and management for restoration. *Critical Reviews in Environ. Sci. Tech.* 41 (S1): 249-288.
113. Pabian, S.E., Brittingham, M.C., 2011. Soil calcium availability limits forest songbird productivity and density. *The Auk* 128: 441-447.
114. Palaniswami, S., Jenicke, L.O., Kang, H., Okonkwo, P.A., Goffnett, S.P., 2011. The role of UN Environment Programme and the U.S. Environmental Protection Agency in global supply chain networks performance. *Int. J. Logistics Systems and Man.* 10: 53-69, doi:10.1504/IJLSM.2011.042052.
115. Pardo, L.H., Lilleskov, E.A., Geiser, L.H., Robin-Abbott, M.J., 2011. Chapter 4 Methods, in *Assessment of nitrogen deposition effects and empirical critical loads of nitrogen for ecoregions of the United States*. Pardo, L.H.; Robin-Abbott, M.J.; Driscoll, C.T., eds., Gen. Tech. Rep. NRS-80. Newtown Square, PA: U.S. Dept. of Agriculture, Forest Service, Northern Research Station, 291 pp.
116. Parrish, D.D., Singh, H.B., Molinac, L., Madronich, S., 2011. Air quality progress in North American megacities: A review. *Atmos. Environ.* 45: 7015-7025.
117. Peckham, S.D., Gower, S.T., 2011. Simulated long-term effects of harvest and biomass residue removal on soil carbon and nitrogen content and productivity for two Upper Great Lakes forest ecosystems. *GCB Bioenergy* 3: 135-147, doi:10.1111/j.1757-1707.2010.01067.x.
118. Perakis, S.S., Geiser, L.H., Lilleskov, E.A., 2011. Chapter 9: Marine West Coast forests. in *Assessment of Nitrogen deposition effects and empirical critical loads of nitrogen for ecoregions of the United States*. Pardo, L.H.; Robin-Abbott, M.J.; Driscoll, C.T., eds., Gen. Tech. Rep. NRS-80. Newtown Square, PA: U.S. Dept. of Ag., Forest Service, Northern Research Station, 291 pp.
119. Perakis, S.S., Sinkhorn, E.R., 2011. Biogeochemistry of a temperate forest nitrogen gradient. *Ecology* 92: 1481-1491.
120. Perakis, S.S., Sinkhorn, E.R., Compton, J.E., 2011.  $\delta^{15}\text{N}$  constraints on long-term nitrogen balances in temperate forests. *Oecologia* 167: 793-807, doi:10.1007/s00442-011-2016-y.
121. Peters, D.P.C., 2011. Globalization: Chapter 11: Ecological consequences of global-scale connectivity in people, resources, and information. In *The Systemic Dimension of Globalization*, jornada.nmsu.edu
122. Pongprueksa, P., Lin, C.J., Singhasuk, P., Pan, L., Ho, T.C., Chu, H.W., 2011. Application of CMAQ at a hemispheric scale for atmospheric mercury simulations. *Geosci. Model Dev. Discuss.* 4: 1723-1754, doi:10.5194/gmdd-4-1723-2011.

123. Preston, S.D., Alexander, R.B., Schwarz, G.E., Crawford, C.G., 2011. Factors affecting stream nutrient loads: A synthesis of regional SPARROW model results for the Continental United States. *J. American Water Resour. Assoc.* 47: 891-915. doi:10.1111/j.1752-1688.2011.00577.x.
124. Puchalski, M., Sather, M.E., Walker, J.T., Mathew, J., Robarge, W.P., Lehmann, C., Gay, D.A., 2011. Passive ammonia monitoring in the United States: Comparing three different sampling devices. *Environ. Mon.* 13: 3156-3167, doi:10.1039/C1EM10553A.
125. Rebich, R.A., Houston, N.A., Mize, S.V., Pearson, D.K., Ging, P.B., Hornig, C.E., 2011. Sources and delivery of nutrients to the northwestern Gulf of Mexico from streams in the south-central United States. *J. American Water Resour. Assoc.* 47: 1061-1086, doi:10.1111/j.1752-1688.2011.00583.x.
126. Richer, E., Botte, J., Baron, J., 2011. Loch Vale Watershed Long-term Research and Monitoring Program: Methods Manual 2011. Natural Resource Ecology Laboratory, Colorado State University, Fort Collins, Colorado USA, 96 pp.
127. Riscassi, A.L., Hokanson, K.J., Scanlon, T.M., 2011. Streamwater particulate mercury and suspended sediment dynamics in a forested headwater catchment. *Water Air Soil Poll.* 220: 23-36, doi:10.1007/s11270-010-0731-3.
128. Riva-Murray, K., Chasar, L.C., Bradley, P.M., Burns, D.A., Brigham, M.E., Smith, M.J., Abrahamsen, T.A., 2011. Spatial patterns of mercury in macroinvertebrates and fishes from streams of two contrasting forested landscapes in the eastern United States. *Ecotoxicology* 20: 1530-1542, doi:10.1007/s10646-011-0719-9.
129. Robertson, D.M., Saad, D.A., 2011. Nutrient inputs to the Laurentian Great Lakes by source and watershed estimated using SPARROW watershed models. *J. American Water Resour. Assoc.* 47: 1011-1033, doi:10.1111/j.1752-1688.2011.00574.x.
130. Rom, W.N., 2011. *Environmental Policy and Public Health: Air Pollution, Global Climate Change, and Wilderness.* Jossey-Bass Publishers, San Francisco, CA, ISBN 978-0-470-59343-1, 407pp.
131. Rossignol, K.L., Paerl, H.W., Fear, J.M., Braddy, J.S., 2011. Nutrients in precipitation and the phytoplankton responses to enrichment in surface waters of the Albemarle Peninsula, NC, USA after the establishment of a large-scale chicken egg farm. *Hydrobiologia* 671: 181-191, doi:10.1007/s10750-011-0715-3.
132. Rumbold, D.G., Evans, D.W., Niemczyk, S., Fink, L.E., Laine, K.A., Howard, N., Krabbenhoft, D.P., Zucker, M., 2011. Source identification of Florida Bay's methylmercury problem: Mainland runoff versus atmospheric deposition and In situ production. *Estuaries and Coasts* 34: 494-513, doi:10.1007/s12237-010-9290-5.
133. Sarkar, S., Miller, S.A., Frederick, J.R., Chamberlain, J.F., 2011. Modeling nitrogen loss from switchgrass agricultural systems. *Biomass and Bioenergy* 35: 4381-4389.
134. Saros, J.E., Clow, D.W., Blett, T., Wolfe, A.P., 2011. Critical nitrogen deposition loads in high-elevation lakes of the western U.S. inferred from paleolimnological records. *Water Air Soil Poll.* 216: 193-202, doi:10.1007/s11270-010-0526-6.

135. Scanlon, B.R., Reedy, R.C., Gates, J.B., Gowda, P.H., 2010. Impact of agroecosystems on groundwater resources in the Central High Plains, USA. *Agriculture, Ecosystems and Environ.* 139: 700-713.
136. Schaberg, P.G., Lazarus, B.E., Hawley, G.J., Halman, J.M., Borer, C.H., Hansen, C.F., 2011. Assessment of weather-associated causes of red spruce winter injury and consequences to aboveground carbon sequestration. *Can. J. For. Res.* 41: 359-369, doi:10.1139/X10-202.
137. Scheffe, R.D., Brook, J.R., Demerjian, K.L., 2011. Chapter 10 Air quality measurements. In *Technical Challenges of Multipollutant Air Quality Management*. G.M. Hidy, Brook, J.R., Demerjian, K.L., Molina, L.T., Pennell, W.T., Scheffe, R.D. (eds.), Springer Science+Business Media, 553 pp., doi:10.1007/978-94-007-0304-9\_10.
138. Schmeltz, D., Evers, D., Driscoll, C.T., Artz, R., Cohen, M., Gay, D.A., Haeuber, R., Krabbenhoft, D., Mason, R., Masson, G., Morris, K., Wiener, J.G., 2011. MercNet: A national monitoring network to assess responses to changing mercury emissions in the United States. *Environ. Tox.* 20: 1713-1725, doi:10.1007/s10646-011-0756-4.
139. Schmitt, C.J., Stricker, C.A., Brumbaugh, W.G., 2011. Mercury bioaccumulation and biomagnifications in Ozark stream ecosystems. *Ecotoxicology Environ. Safety* 74: 2215-2224.
140. Seabloom, E.W., Denfield, C.D., Borer, E.T., Stanley, A.G., Kaye, T.N., Dunwiddie, P.W., 2011. Provenance, life span, and phylogeny do not affect grass species' responses to nitrogen and phosphorus. *Ecological Applications* 21: 2129-2142.
141. Seigneur, C., Dennis, R., 2011. Chapter 9: Atmospheric modeling. In *Technical Challenges of Multipollutant Air Quality Management*. G.M. Hidy, Brook, J.R., Demerjian, K.L., Molina, L.T., Pennell, W.T., Scheffe, R.D. (eds.), Springer Science+Business Media, 553 pp., doi:10.1007/978-94-007-0304-9\_10.
142. Shaftel, R.S., King, R.S., Back, J.A., 2011. Breakdown rates, nutrient concentrations, and macroinvertebrate colonization of bluejoint grass litter in headwater streams of the Kenai Peninsula, Alaska. *J. North American Benthological Soc.* 30: 386-398, doi:10.1899/10-086.1.
143. Shanley, J.B., McDowell, W.H., Stallard, R.F., 2011. Long-term patterns and short-term dynamics of stream solutes and suspended sediment in a rapidly weathering tropical watershed. *Water Resour. Res.* 47: W07515, doi:10.1029/2010WR009788.
144. Shih, R., Robertson, W.D., Schiff, S.L., Rudolph, D.L., 2011. Nitrate controls methyl mercury production in a streambed bioreactor. *J. Environ. Qual.* 40: 1586-1592, doi:10.2134/jeq2011.0072.
145. Singer, J.W., Malone, R.W., Jaynes, D.B., Ma, L., 2011. Cover crop effects on nitrogen load in tile drainage from Walnut Creek Iowa using root zone water quality (RZWQ) model. *Agricultural Water Man.* 98: 1622-1628.
146. Skogen, K.A., Holsinger, K.E., Cardon, Z.G., 2011. Nitrogen deposition, competition and the decline of a regionally threatened legume, *Desmodium cuspidatum*. *Oecologia* 165: 261-269, doi:10.1007/s00442-010-1818-7.
147. Slemr, F., Grunke, E.-G., Ebinghaus, R., Kuss, J., 2011. Worldwide trend of atmospheric mercury since 1995. *Atmos. Chem. Phys.* 11: 4779-4787, doi:10.5194/acp-11-4779-2011.

148. Stackpoole, S.M., Kosola, K.R., Workmaster, B.A.A., Buldan, N.M., Browne, B.A., Jackson, R.D., 2011. Looking beyond fertilizer: Assessing the contribution of nitrogen from hydrologic inputs and organic matter to plant growth in the cranberry agroecosystem. *Nutr. Cycl. Agroecosyst.* 91: 41-54, doi:10.1007/s10705-011-9442-4.
149. Stoleson, S.H., King, D.L., Tomosy, M., 2011. Avian research on U.S. Forest Service Experimental Forests and Ranges: Emergent themes, opportunities, and challenges. *Forest Ecology and Man.* 262: 49-52.
150. Sullivan, T.J., Cosby, B.J., Jackson, W.A., 2011. Target loads of atmospheric sulfur deposition for the protection and recovery of acid-sensitive streams in the Southern Blue Ridge Province. *J. Environ. Man.* 92: 2953-2960.
151. Sullivan, T.J., Cosby, B.J., Jackson, W.A., Snyder, K.U., Herlihy, A.T., 2011. Acidification and prognosis for future recovery of acid-sensitive streams in the southern Blue Ridge province. *Water Air Soil Poll.* 219: 11-26, doi:10.1007/s11270-010-0680-x.
152. Szilagyi, J., Zlotnik, V.A., Gates, J.B., Jozsa, J., 2011. Mapping mean annual groundwater recharge in the Nebraska Sand Hills, USA. *Hydrogeology J.* 19: 1503-1513, doi:10.1007/s10040-011-0769-3.
153. Talhelm, A.F., Pregitzer, K.S., Burton, A.J., Zak, D.R., 2011. Air pollution and the changing biogeochemistry of northern forests. *Front. Ecol. Environ.* 2011; doi:10.1890/110007.
154. Templer, P.H., Weathers, K.C., 2011. Use of mixed ion exchange resin and the denitrifier method to determine isotopic values of nitrate in atmospheric deposition and canopy throughfall. *Atmos. Environ.* 45: 2017-2020.
155. Trettin, C.C., Jurgensen, M.F., Gale, M.R., McLaughlin, J.W., 2011. Recovery of carbon and nutrient pools in a northern forested wetland 11 years after harvesting and site preparation. *Forest Ecology and Man.* 262: 1826-1833.
156. Tsai, J., 2011. Long-Term Changes in Forest Soils of Maine and Illinois. Master's Thesis, in the Graduate College of the University of Illinois at Urbana-Champaign, Urbana, Illinois, 119 pp.
157. U.S. EPA Science Advisory Board, Integrated Nitrogen Committee, 2011. Reactive Nitrogen in the United States: An Analysis of Inputs, Flows, Consequences, and Management, Options – A Report of the EPA Science Advisory Board. Otto C. Doering III, Chair, EPA-SAB-11-013, Washington, DC 20460, 172 pp.
158. Van Diepen, L.T.A., Lilleskov, E.A. and Pregitzer, K.S., 2011. Simulated nitrogen deposition affects community structure of arbuscular mycorrhizal fungi in northern hardwood forests. *Molecular Ecology* 20: 799-811, doi:10.1111/j.1365-294X.2010.04969.x.
159. Waas, D., 2011. Assessment of Pollutant Exposure and Nitrogen Enrichment Experienced at the University of Michigan Biological Station in 2007. Undergraduate Research Experience Appears in Collections: Biological Station, University of Michigan (UMBS), Dr. M. A. Carroll.
160. Weathers, K.C., Ponette-González, A.G., 2011. Chapter 17: Atmospheric Deposition, in Comparisons of Watershed Sulfur Budgets in Southeast Canada and Northeast US: New Approaches and Implications by M. J. Mitchell, G. Lovett, S. Bailey, F. Beall and D. Burns, et al., 181–207.

161. Welch, H.L., Green, C.T., Coupe, R.H., 2011. The fate and transport of nitrate in shallow groundwater in northwestern Mississippi, USA. *Hydrogeology J.* 19: 1239-1252, doi:10.1007/s10040-011-0748-8.
162. Wesner, J.S., Cornelison, J.W., Dankmeyer, C.D., Galbreath, P.F., Martin, T.H., 2011. Growth, pH tolerance, survival, and diet of introduced northern-strain and native southern-strain Appalachian brook trout. *Trans. American Fisheries Soc.* 140: 37-44, dx.doi.org/10.1080/00028487.2011.545022.
163. Wetherbee, G. A., Latysh, N.E., Lehmann, C.M.B., and Rhodes, M.F., 2011, Four Studies on Effects of Environmental Factors on the Quality of National Atmospheric Deposition Program Measurements, U.S. Geological Survey Open-File Report 2011-1170, 36 p.
164. Winder, V.L., Emslie, S.D., 2011. Mercury in breeding and wintering Nelson's Sparrows (*Ammodramus nelsoni*). *Ecotoxicology* 20: 218-225, doi:10.1007/s10646-010-0573-1.
165. Willander, R., 2011. Spatio-Temporal Study of Mercury Deposition. For the International Summer Water Resourc. Research School, Dept. of Water Resourc. Engineering, Lund University, <http://www.tvrl.lth.se/fileadmin/tvrl/files/vvrf05/>, 16pp.
166. Willey, J.D., Glinski, D.A., Southwell, M., Long, M.S., Avery Jr., G.B., Kieber, R.J., 2011. Decadal variations of rainwater formic and acetic acid concentrations in Wilmington, NC, USA. *Atmos. Environ.* 45: 1010-1014.
167. Williams, M.W., Barnes, R.T., Parman, J.N., Freppaz, M., Hood, E., 2011. Stream water chemistry along an elevational gradient from the Continental Divide to the foothills of the Rocky Mountains. *Vadose Zone J.* 10: 900-914, doi:10.2136/vzj2010.0131.
168. Wise, D.R. and Johnson, H.M., 2011. Surface-water nutrient conditions and sources in the United States Pacific Northwest. *J. American Water Resour. Assoc.* 47: 1110-1135, doi:10.1111/j.1752-1688.2011.00580.x.
169. Wozniak, A.S., Bauer, J.E., Dickhut, R.M., 2011. Fossil and contemporary aerosol particulate organic carbon in the eastern United States: Implications for deposition and inputs to watersheds. *Global Biogeochemical Cycles* 25: GB2013, 14 pp., doi:10.1029/2010GB003855.
170. Xing, B., Senesi, N., Huang, P.M. (eds.) 2011. Index, in *Biophysico-Chemical processes of anthropogenic organic compounds in environmental systems*, John Wiley & Sons, Inc., Hoboken, NJ, USA, doi:10.1002/9780470944479.index.
171. Yee, D., McKee, L.J. and Oram, J.J., 2011. A regional mass balance of methylmercury in San Francisco Bay, California, USA. *Environ. Tox. and Chem.* 30: 88-96, doi:10.1002/etc.366.
172. Yu, W.T., Jiang, C.M., Ma, Q., Xu, Y.G., Zou, H., Zhang, S.C., 2011. Observation of the nitrogen deposition in the lower Liaohe River Plain, Northeast China and assessing its ecological risk. *Atmos. Res.* 101: 460-468, doi:10.1016/j.atmosres.2011.04.011.