

## Environmental Sciences Division Publications Calendar Year 2004

### Books

1. Zhou, J., D.K. Thompson, Y. Xu, and J.M. Tiedje, *Microbial Functional Genomics*. 2004, New York: John Wiley & Sons, Inc.

### Book Sections

2. Coutant, C.C., *The Connecticut River Ecological Study (1965-1973) revisited: Ecology of the Lower Connecticut River 1973-2003- Preface*, in *Connecticut River Ecological Study (1965-1973) Revisited: Ecology of the Lower Connecticut River 1973-2003*, P.M. Jacobson, et al., Editors. 2004, American Fisheries Society: Bethesda. p. xi-xiv.
3. Curlee, T.R., I.K. Busch, M.R. Hilliard, G. Oladosu, F. Southworth, and D.P. Vogt, *Economic foundations of Ohio River Navigation Investment Model*, in *Water Transport*. 2004. p. 13-23.
4. Dale, V.H., P.J. Mulholland, L.M. Olsen, J.W. Feminella, K.O. Maloney, D.C. White, A. Peacock, and T. Foster, *Selecting a suite of ecological indicators for resource management*, in *Landscape Ecology and Wildlife Habitat Evaluation: Critical Information for Ecological Risk Assessment, Land-Use Management Activities, and Biodiversity Enhancement Practices, ASTM STP 1458*, L. Kapustka, et al., Editors. 2004, American Society for Testing and Materials, West Conshohocken, United States: West Conshohocken, PA. p. 3-17.
5. DeAngelis, D.L. and P.J. Mulholland, *Dynamic consequences of allochthonous nutrient input to freshwater systems*, in *Food Webs at the Landscape Level*, G.A. Polis, M.E. Power, and G.R. Huxel, Editors. 2004, University of Chicago Press: Chicago. p. 12-24.
6. DiFazio, S.P., G.T. Slavov, J. Burczyk, S. Leonardi, and S.H. Strauss, *Gene flow from tree plantations and implications for transgenic risk assessment*, in *Plantation Forest Biotechnology for the 21st Century 2004*, C. Walter and M. Carson, Editors. 2004: Kerala, India. p. 405-422.
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8. Efroymson, R.A., *Improving tools for ecological risk assessment at petroleum-contaminated sites; Business Briefing*, in *Exploration and Production: The Oil and Gas Review 2004*. 2004, World Markets Research Centre, Ltd.: London. p. 126-130.

9. Gu, L., W.M. Post, D. Baldocchi, T.A. Black, S.B. Verma, T. Vesala, and S.C. Wofsy, *Phenology of vegetation photosynthesis*, in *Phenology; an Integrated Environmental Science*, M.D. Schwartz, Editor. 2004, Kluwer Academic Publishers: Dordrecht. p. 467-485.
10. Martin, R.C., D.C. Glasgow, and M.Z. Martin, *Applications of Californium-252 neutron irradiation and other nondestructive examination methods at Oak Ridge National Laboratory*, in *Radioanalytical Methods in Interdisciplinary Research*, C.A. Laue and K.L. Nash, Editors. 2004, American Chemical Society: Washington. p. 88-104.
11. Norby, R.J., *Forest responses to a future CO<sub>2</sub>-enriched atmosphere*, in *Global Change and the Earth System; A Planet Under Pressure*, W. Steffen, Editor. 2004, Springer-Verlag: Berlin. p. 158-159.
12. Southworth, F., D.P. Vogt, and T.R. Curlee, *Estimation of statewide urban public transit benefits in Tennessee*, in *Transit Planning And Development, Management And Performance, Marketing And Fare Policy, And Capacity And Quality Of Service*. 2004. p. 83-91.
13. Vithayaveroj, V., S. Yiacoumi, and C. Tsouris, *Atomic force microscopy studies of metal ion sorption*, in *Dekker Encyclopedia of Nanoscience and Nanotechnology*, J.A. Schwarz, C. Contescu, and K. Putyera, Editors. 2004, Marcel Dekker: New York. p. 169-178.
14. Vogt, B. and J. Sorensen, *Protecting the healthcare population and facility*, in *Terrorism and Disaster Management: Preparing Healthcare Leaders for the New Reality*, K.J. McGlown, Editor. 2004, Health Administration Press: Chicago. p. 99-124.
15. Wang, W. and B. Gu, *Preparation and characterization of high-concentration monodisperse silver colloids*, in *Concentrated Dispersions: Theory, Experiment, and Applications*, P. Somasundaran and B. Markovic, Editors. 2004, American Chemical Society: Washington. p. 1-15.
16. Yang, K.-L., S. Yiacoumi, and C. Tsouris, *Electrical Double Layer Formation*, in *Dekker Encyclopedia of Nanoscience and Nanotechnology*, J.A. Schwarz, C. Contescu, and K. Putyera, Editors. 2004, Marcel Dekker: New York. p. 1001-1014.
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#### Conference Papers

18. Cheng, M.D. and C.M. Jenkins, *Particles produced by charge detonation: measurement and analysis*, in *Proceedings of the Air and Waste Management Association 's 97th Annual Conference and Exhibition; Sustainable development: gearing up for the challenge*. 2004, Air and Waste Management Association: Indianapolis. p. 15-20.

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#### Journal Articles

22. Adapa, P.K., L.G. Tabil, G.J. Schoenau, and S. Sokhansanj, *Pelleting characteristics of fractionated sun-cured and dehydrated alfalfa grinds*. Appl. Eng. Agric., 2004. **20**(6): p. 813-820.
23. Amyot, M., G.R. Southworth, S.E. Lindberg, H. Hintelmann, J.D. Lalonde, N. Ogrinc, A.J. Poulain, and K.A. Sandilands, *Formation and evasion of dissolved gaseous mercury in large enclosures amended with 200HgCl<sub>2</sub>*. Atmos Environ, 2004. **38**(26): p. 4279-4289.
24. Anscombe, F., P. Maxson, J. Nriagu, S. Cain, G.R. Southworth, G. Solorzano, S.E. Lindberg, N. Pirrone, L. Trip, and S. Durkee, *Benchmarking chlor-alkali factories by the indicator of replenishment Hg*. RMZ-Materials and Geoenvironment 2004. **51**: p. 564-565.
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26. Beard, L.P., W.E. Doll, J.S. Holladay, T.J. Gamey, J.L.C. Lee, and D.T. Bell, *Field tests of an experimental helicopter time-domain electromagnetic system for unexploded ordnance detection*. Geophysics, 2004. **69**(3): p. 664-673.
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