

All Publications of the Mid-Continent Ecology Division
Sorted by Year of Publication and Author
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2009

Angradi, T.R., D.W. Bolgrien, T.M. Jicha, M.S. Pearson, B.H. Hill, D.L. Taylor, E.W. Schweiger, L. Shepard, A.R. Batterman, M.F. Moffett, C.M. Elonen, and L.E. Anderson. 2009. A bioassessment approach for mid-continent great rivers: the Upper Mississippi, Missouri, and Ohio (USA). *Environ. Mon. Assess.* 152:425-442 #4805

Angradi, T.R., D.W. Bolgrien, T.M. Jicha, M.S. Pearson, D.L. Taylor, and B.H. Hill. 2009. Multispatial-scale variation in benthic and snag-surface macroinvertebrate assemblages in mid-continent US great rivers. *J. North Amer. Benth. Soc.* 28:122-141. #4879

Angradi, T.R., D.L. Taylor, T.M. Jicha, D.W. Bolgrien, M.S. Pearson, and B.H. Hill. 2009. Littoral and shoreline wood in mid-continent great rivers (USA). *River Res. Appl.* 24:1-18. #5054

Ankley, G.T., D.C. Bencic, M.S. Breen, T.W. Collette, R.B. Conolly, N.D. Denslow, D.R. Ekman, S.W. Edwards, D.R. Ekman, N. Garcia-Reyero, K.M. Jensen, J. M. Lazorchak, D. Martinovic, D.H. Miller, E.J. Perkins, E.F. Orlando, D.L. Villeneuve, R.-L. Wang, and K.H. Watanabe. 2009. Endocrine-disrupting chemicals in fish: Developing exposure indicators and predictive models of effects based on mechanism of action. *Aquatic Toxicol.* 92:168-178. #5053

Bennett, R.S., J.B. French, R. Rossmann, and R. Haebler. 2009. Dietary toxicity and tissue accumulation of methylmercury in American kestrels. *Arch. Environ. Contam. Toxicol.* 56:149-156. #4909

Cormier, S.M., J.F. Paul, and R.L. Spehar. 2009. Chapter 1: Estimation of effect thresholds for the development of water quality criteria. *Real-Time and Deliberative Decision Making*, I. Linkov, E. Ferguson, V. Magar, Eds., Springer, the Netherlands, pp.159-178. #5116

Ekman, D.R., Q. Teng, D.L. Villeneuve, M.D. Kahl, K.M. Jensen, E.J. Durhan, G.T. Ankley, and T.W. Collette. 2009. Profiling lipid metabolites yields unique information on sex- and time-dependent responses of fathead minnows (*Pimephales promelas*) exposed to 17 α -ethynylestradiol. *Metabolomics* 5:22-32. #5046

Etterson, M.A., R.S. Bennett, E.L. Kershner, and J.W. Walk. 2009. Markov chain estimation of avian seasonal fecundity. *Ecol. Appl.* 19:622-630. #4878

Garcia-Reyero, N., D.L. Villeneuve, K.J. Kroll, L. Liu, E. Orlando, K. Watanabe, M. Sepúlveda, G.T. Ankley, and N.D. Denslow. 2009. Expression signatures for a model androgen and antiandrogen in the fathead minnow (*Pimephales promelas*) ovary. *Environ. Sci. Technol.* 43:2614-2619. #5040

Johns, S., M. Kane, N. Denslow, K. Watanabe, E. Orlando, D.L. Villeneuve, G.T. Ankley, and M. Sepúlveda. 2009. Characterization of ontogenetic changes in gene expression in the fathead minnow (*Pimephales promelas*). *Environ. Toxicol. Chem.* 28:873-880. #4994

Melendez, W., M. Settles, J.J. Pauer, and K.R. Rygwelski. 2009. LM-3: A high-resolution Lake Michigan mass balance water quality model, USEPA, ORD, NHEERL, Mid-Continent Ecology Division, Large Lakes and Rivers Forecasting Research Branch, Grosse Ile, MI, *EPA/600/R-09/020*. #5012

Pauer, J.J. and M.T. Auer. 2009. Formulation and testing of a novel river nitrification model. *Ecol. Model.* 220:857-866 . #5137

Weisbrod, A.V., J. Sahi, H. Segner, M.O. James, J. Nichols, I. Schultz, S. Erhardt, C. Cowan-Ellsberry, M. Bonnell, and B. Hoeger. 2009. The state of in vitro science for use in bioaccumulation assessments for fish. *Environ. Toxicol. Chem.* 28:86-96. #5113

Zhang, X., K.R. Rygwelski, and R. Rossmann. 2009. The Lake Michigan contaminant transport and fate model, LM2-toxic: development, overview, and application. *J. Great Lakes Res.* 35:128-136. #4812

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Ankley, G.T., D.H. Miller, K.M. Jensen, D.L. Villeneuve, and D. Martinovic. 2008. Relationship of plasma sex steroid concentrations in female fathead minnows to reproductive success and population status. *Aquatic Toxicol.* 88:69-74. #4874

Barron, M.G., S. Raimondo, C.L. Russom, D.N. Vivian, and S.H. Yee. 2008. Accuracy of chronic aquatic toxicity estimates determined from acute toxicity data and two time-response models. *Environ. Toxicol. Chem.* 27:2196-2205. #4984

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Bourgeau-Chavez, L., R. Lopez, A. Trebitz, T. Hollenhorst, G. Host, B. Huberty, R. Gauthier, and J. Hummer. Chapter 8. Landscape-based indicators. In: *Great Lakes Coastal Wetlands*

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Bradbury, S., P. Cook, M. De Vito, T. Henry, C. Nolt-Helms, P. Cirone, R. Pepin, S. Wharton, T. Kubiak, D. Tillitt, and L. Williams. 2008. Workshop report on the application of 2,3,7,8-TCDD toxicity equivalence factors to fish and wildlife. EPA/630/R-01/002. #5068, On-line at: <http://www.epa.gov/osa/raf/tefframework/>

Bradbury, S.P., R.W. Carlson, T.R. Henry, S. Padilla, and J. Cowden. 2008. Chapter 9. Toxic responses of the fish nervous system. *The Toxicology of Fishes*, R.T. DiGiulio and D.E. Hinton, Eds., Taylor & Francis, Boca Raton, FL, pp. 417-455. #3414

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Burkhard, L.P., P.M. Cook, and M.T. Lukasewycz. 2008. Organic carbon - water column concentration quotients (IIsocs and π pocs): Measuring apparent chemical disequilibria and exploring the impact of black carbon in Lake Michigan. *Environ. Sci. Technol.* 42:3615-3621. #4605

Burkhard, L.P. and M.T. Lukasewycz. 2008. Toxicity equivalency values for polychlorinated biphenyl mixtures. *Environ. Toxicol. Chem.* 27:529-534. #4811

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Grigorovich, I.A., T.R. Angradi, E.B. Emery, and M.S. Wooten. 2008. Invasion of the Upper Mississippi River system by saltwater amphipods. *Fund. Applied Limn.* 173:67-77. #4890

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