

2008 Scientific Papers – Wisconsin Sea Grant Funded

Stabilized Water Levels and Typha Invasiveness Aaron M. Boers and Joy B. Zedler *Wetlands*, 28(3):676-685, 2008

Comparative Genomics Identifies Genes Mediating Cardiotoxicity in the Embryonic Zebrafish Heart Jing Chen, Sara A. Carney, Richard E. Peterson and Warren Heideman *Physiological Genomics*, 33:148-158, 2008

Recruitment Dynamics of Lake Trout in Western Lake Superior During 1988-1995 Lisa M. Corradin, Michael J. Hansen, Donald R. Schreiner and Michael J. Seider *North American Journal of Fisheries Management*, 28:663-667, 2008

Increased Chlorophyll a, Phytoplankton Abundance, and Cyanobacteria Occurrence Following Invasion of Green Bay, Lake Michigan by Dreissenid Mussels Bart T. DeStasio, Michael B. Schrimpf, Ashley E. Beranek and William C. Daniels *Aquatic Invasions*, 3(1):21-27, 2008

Effects of the Nuisance Algae, *Cladophora*, on *Escherichia coli* at Recreational Beaches in Wisconsin Erik T. Englebert, Colleen McDermott and Gregory T. Kleinheinz *Science of the Total Environment*, 404:10-17, 2008

Impact of the Alga *Cladophora* on the Survival of *E. coli*, *Salmonella*, and *Shigella* in Laboratory Microcosm Erik T. Englebert, Colleen McDermott and Gregory T. Kleinheinz *Journal of Great Lakes Research*, 34:377-382, 2008

Influence of Natural Dissolved Organic Carbon on the Bioavailability of Mercury to a Freshwater Alga P.R. Gorski, D.E. Armstrong, J.P. Hurley and D.P. Krabbenhoft *Environmental Pollution*, 154:116-123, 2008

Does Harvesting Sustain Plant Diversity in Central Mexican Wetlands? Steven J. Hall, Roberto Lindig-Cisneros and Joy B. Zedler *Wetlands*, 28(3):776-792, 2008

Dynamics of an Increasing Lake Trout Population in Lake Pend Oreille, Idaho Michael J. Hansen, Ned J. Horner, Mark Liter, Mike P. Peterson and Melo A. Maiolie *North American Journal of Fisheries Management*, 28:1160-1171, 2008

Bioenergetics Modeling: Progress Since the 1992 Symposium Kyle J. Hartman and James F. Kitchell *Transactions of the American Fisheries Society*, 137:216-223, 2008 Effect of Mono-Ortho and Di-Ortho Substituted Polychlorinated Biphenyl (PCB) Congeners on Leopard Frog Survival and Sexual Development Mariana Beatriz Jofre and William H. Karasov *Chemosphere*, 70:1609-1619, 2008

Impacts of the Introduced Round Goby (*Apollonia melanostoma*) on Dreissenids (*Dreissena polymorpha* and *Dreissena bugensis*) and on Macroinvertebrate Community between 2003 and 2006 in the Littoral Zone of Green Bay, Lake Michigan Amanda M. Lederer, John Janssen, Tara Reed and Amy Wolf *Journal of Great Lakes Research*, 34(4):690-797, 2008

Estimation and Confidence Regions for Multi-Dimensional Effective Dose Jialiang Li, Rick V. Nordhein, Chunming Zhang and Charles E. Lehner *Biometrical Journal*, 50:110-122, 2008

On the Multivariate Predictive Distribution of Multi-dimensional Effective Dose: A Bayesian Approach
Jialiang Li, Chunming Zhang, Erik V. Nordheim and Charles E. Lehner *Journal of Statistical Computation and Simulation*, 78(5):429-442, 2008

2,3,7,8-Tetrachlorodibenzo-p-dioxin Exposure Prevents Cardiac Valve Formation in Developing Zebrafish
Vatsal Mehta, Richard E. Peterson and Warren Heideman *Toxicological Sciences*, 140(2):303-311, 2008

Dispersion of Suspended Particles in a Wave Boundary Layer Over a Viscoelastic Bed
Chiu-On Ng and Chin H. Wu *International Journal of Engineering Science*, 46:50-65, 2008

Modeling the Sustainability of Lake Trout Fisheries in Eastern Wisconsin Waters of Lake Superior
Julie L. Nieland, Michael J. Hansen, Michael J. Seider, Jonathan J. Deroba *Fisheries Research*, 94:304-314, 2008

Evaluation of Recovery Goals for Endangered White Sturgeon in the Kootenai River, Idaho
Vaughn L. Paragamian and Michael J. Hansen *North American Journal of Fisheries Management*, 28:463-470, 2008

Improving Analytical Confidence in the Determination of PCBs in Complex Matrices by a Sequential GC-MS/MS Approach
Beth A. Ruddy, Diab T. Qadah, Joseph H. Aldstadt III and Harvey A. Bootsma *International Journal of Environmental Analytical Chemistry*, 88(5):337-351, 2008

Modeling the Sustainability of Walleye Populations in Northern Wisconsin Lakes
Amy M. Schueller, Michael J. Hansen and Steven P. Newman *North American Journal of Fisheries Management*, 28:1916-1927, 2008

Oxygen Pre-Breathing Decreases Dysbaric Diseases in UW Sheep Undergoing Hyperbaric Exposure
A.S. Sobakin, M.A. Wilson, C.E. Lehner, R.T. Dueland, A.P. Gendron-Fitzpatrick *Journal of the Undersea & Hyperbaric Medical Society*, 35(1):61-67, 2008

A Management Framework for Preventing the Secondary Spread of Aquatic Invasive Species
M. Jake Vander Zanden and Julian D. Olden *Canadian Journal of Fisheries and Aquatic Sciences*, 65:1512-1522, 2008

Aryl Hydrocarbon Receptor-Mediated Down-Regulation of Sox9b Causes Jaw Malformation in Zebrafish Embryos
Kong M. Xiong, Richard E. Peterson and Warren Heideman *Molecular Pharmacology*, 74:1544-1553, 2008

Influence of Natural Dissolved Organic Carbon on the Bioavailability of Mercury to a Freshwater Alga
Gorski, PR, DE Armstrong, JP Hurley and DP Krabbenhoft *Environmental Pollution* 154: 116-123.
doi:10.1016/j.envpol.2007.12.004 2008