

ES&T's Best Papers of 2008

In 2008, *ES&T* published more than 1300 papers on a wide range of topics. But which papers were the top papers—the best of the year?

This year, our associate editors nominated papers that they felt were of the highest caliber—these are papers expected to have a significant and long-lasting impact on the field. A subcommittee from our editorial advisory board chaired by David Sedlak pored over the nominations to create a short list for consideration in each category: environmental science, technology, and policy. I had the difficult task of trying to choose the best of the best.

We hope this brings special recognition to you, our authors, and focuses attention on your high-quality papers. The Best Paper Awards are an annual event announced online ahead of this print issue. Each author receives a certificate of recognition and our heartiest congratulations.

ENVIRONMENTAL SCIENCE

Top Paper. Turner, R. E.; Rabalais, N. N.; Justic, D. Gulf of Mexico hypoxia: Alternate states and a legacy. **2008**, *42* (7), 2323–2327.

First Runner-up. Na, C.; Martin, S. T. Interfacial forces are modified by the growth of surface nanostructures. **2008**, *42* (18), 6883–6889.

Second Runners-up (Tie). van Boxtel, A. L.; et al. Microarray analysis reveals a mechanism of phenolic polybrominated diphenylether toxicity in zebrafish. **2008**, *42* (5), 1773–1779.

Mawji, E.; Gledhill, M.; Milton, J. A.; Tarran, G. A.; Ussher, S.; Thompson, A.; Wolff, G. A.; Worsfold, P. J.;

Achterberg, E. P. Hydroxamate siderophores: Occurrence and importance in the Atlantic Ocean. **2008**, *42* (23), 8675–8680.

ENVIRONMENTAL TECHNOLOGY

Top Paper. Post, J. W.; Hamelers, H. V. M.; Buisman, C. J. N. Energy recovery from controlled mixing salt and fresh water with a reverse electrodialysis system. **2008**, *42* (15), 5785–5790.

First Runner-up. Jaisi, D. P.; Saleh, N. B.; Blake, R. E.; Elimelech, M. Transport of single-walled carbon nanotubes in porous media: Filtration mechanisms and reversibility. **2008**, *42* (22), 8317–8323.

Second Runner-up. Choi, H.; Agarwal, S.; Al-Abed, S. R. Adsorption and simultaneous dechlorination of PCBs on GAC/Fe/Pd: Mechanistic aspects and reactive capping barrier concept. **2009**, *43* (2), 488–493. Published online as an ASAP on November 26, 2008.

ENVIRONMENTAL POLICY

Top Paper. Weber, C. L.; Matthews, H. S. Food-miles and the relative climate impacts of food choices in the United States. **2008**, *42* (10), 3508–3513.

First Runner-up. Gerst, M. D.; Graedel, T. E. In-use stocks of metals: Status and implications. **2008**, *42* (19), 7038–7045.

Second Runner-up. Vieira, P. S.; Horvath, A. Assessing the end-of-life impacts of buildings. **2008**, *42* (13), 4663–4669.

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