

# CHEMISTRY

## REFEREED PUBLICATIONS

- Davis, C. M.** (2005). Fifty ways to make boric acid (with apologies to Paul Simon). *Journal of Chemical Education*, 82, 541.
- Davis, C. M.**, Klein, M. F., & Nicholson, K. T. (2002). Organotransition-metal-mediated borane-cage expansion. *Phosphorus, Sulfur and Silicon and the Related Elements*, 177, 659-664.
- Sculimbrenne, B. R., Decanio, R. E., Peterson, B. W., Muntel, E. E., & **Fenlon, E. E.** (2001). Silatranyl-nucleosides: transition state analogues for phosphoryl transfer reactions. *Tetrahedron Letters*, 42, 4979-4982.

## PRESENTATIONS AT ACADEMIC CONFERENCES

- Cohen, R. J.** (2001). *Maintaining data quality in an analytical laboratory*. Paper presented at the Pittsburgh Conference on Analytical Chemistry and the Great Lakes Regional American Chemical Society meeting, Pittsburgh, PA.
- Davis, C. M.**, Chess, D. J., Curran, K. A., & Schnee, V. P. (2004). *Interactions of the arachno-octahydrotriborate anion with transition-metal halides*. Poster presented at the Central Regional Meeting of the American Chemical Society, Indianapolis, IN.
- Fenlon, E. E.** (2001). *Silatranyl-nucleosides: Synthesis and medicinal/ribozyme applications*. Paper presented at the National Meeting of the American Chemical Society, Chicago, IL.
- Fenlon, E. E.** (2001). *Silatranyl-nucleosides: Synthesis and medicinal/ribozyme applications*. Paper presented at the Indiana University Symposium for Excellence in Undergraduate Chemical Research, Bloomington, IN.
- Hopkins, B. M.** (2004). *Air sampling method for dibutyltin chloride using high performance liquid chromatography (HPLC) and inductively coupled plasma (ICP) spectroscopy*. Poster presented at the National Conference on Undergraduate Research, Indianapolis, IN.

## BOOK CONTRIBUTIONS

- Gomez, K., & **Hopkins, B. M.** (2004). Gas chromatography method for analysis of benzyl alcohol in air. In P. F. O'Connor, & P. F. Schlecht (Eds.), *NIOSH Manual of Analytical Methods* (4th ed.) (pp. 3rd supplement). Cincinnati, OH: National Institute for Occupational Safety and Health.

## REVIEWS & CREATIVE WRITING

- Hopkins, B. M.** (2004). [Review of 14 chapters of the book *General, organic, and biological chemistry: An integrated approach*].
- Hopkins, B. M.** (2004). [Review of the book chapter *Nitroalkanes by gas chromatography*. In *NIOSH manual of analytical methods*].

## OTHER

- Davis, C. M., & Mauck, M. C.** (2003). Titrimetric determination of carbon dioxide in a heterogeneous sample ("Pop Rocks"). *Journal of Chemical Education*, 80, 552-553.
- Davis, C. M., & Klein, M. F.** (2001). Synthesis and reactivity of a metallaborane complex: [Mo(CO)<sub>4</sub>B<sub>3</sub>H<sub>3</sub>]-and the formation of Mo(CO)<sub>4</sub>(dppe). *Journal of Chemical Education*, 78, 952-953.
- Fenlon, E. E.** (2003). *Silatranyl-nucleosides: Synthesis and medicinal/ribozyme applications*. Invited lecture presented at Wright State University, Dayton, OH.
- Fenlon, E. E.** (2001). *Silatranyl-nucleosides: Synthesis and medicinal/rebozyme applications*. Invited lecture presented at Union College, Barbourville, KY.
- Fenlon, E. E.** (2001). *Silatranyl-nucleosides: Synthesis and medicinal/ribozyme applications*. Invited lecture presented at Colby College, Waterville, ME.
- Hopkins, B.** (2005). *Building a co-op relationship with a local agency: Xavier University chemistry department describes its experience with a local federal agency*. Paper presented at the Iota Sigma Pi, Radium Chapter Meeting, Cincinnati, OH.
- McLoughlin, D. J.** (2001). *Bacterial secretion as a target for a new generation of antibiotics: The role of X-ray crystallography*. Invited seminar presented to faculty and students of John Carroll University, University Heights, OH.