

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.**, & 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., & Nicholson, K. T. (2002). Organotransition-metal-mediated borane-cage expansion. *Phosphorus, Sulfur and Silicon and the Related Elements*, *177*, 659-664.
- Bektesevic, S., Beier, J. C., Chen, L., Eghbali, N., King, S., **Mullins, R. J.**, et al. (2005). Green challenges: Student perspectives from the 2004 ACS-PRF Summer School on Green Chemistry. *Green Chemistry*, *7*, 403-407.

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.). Cincinnati, OH: National Institute for Occupational Safety and Health.
- Mullins, R. J.**, & Azman, A. M. (2006). Imidazoles. In J. J. Li & G. W. Gribble (Eds.), *Palladium in heterocyclic chemistry* (2nd ed., pp. 335-364). Amsterdam, Netherlands: Pergamon.
- Mullins, R. J.**, & Azman, A. M. (2006). Thiazoles and benzothiazoles. In J. J. Li & G. W. Gribble (Eds.), *Palladium in heterocyclic chemistry* (2nd ed., pp. 297-335). Amsterdam, Netherlands: Pergamon.
- Mullins, R. J.**, & Williams, E. R. (2004). Fiesselmann thiophene synthesis. In J. J. Li (Ed.), *Name reactions in heterocyclic chemistry* (pp. 184-192). Hoboken, NJ: John Wiley & Sons.
- Mullins, R. J.**, & Williams, E. R. (2004). Hinsberg synthesis of thiophene derivatives. In J. J. Li (Ed.), *Name reactions in heterocyclic chemistry* (pp. 199-206). Hoboken, NJ: John Wiley & Sons.
- Mullins, R. J.**, & Williams, E. R. (2004). Paal thiophene synthesis. In J. J. Li (Ed.), *Name reactions in heterocyclic chemistry* (pp. 207-217). Hoboken, NJ: John Wiley & Sons.

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*].

PRESENTATIONS AT ACADEMIC CONFERENCES

Davis, C. M. (2006). I dream of Mendeleev. Poster presented at the Nineteenth Biennial Conference on Chemical Education, Purdue University, West Lafayette, IN.

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.

Davis, C. M., Albaugh, C. A., Klein, M. F., Martin, A. N., Nicholson, K. T., Schnee, V. P., et al. (2002). *Interactions of the octahydrotriborate anion with transition-metal complexes*. Poster presented at the Ohio Inorganic Weekend, University of Toledo, Toledo, OH.

Fenlon, E. E. (2003). *Silatranyl-nucleosides: Synthesis and medicinal/ribozyme applications*. Invited lecture presented at Wright State University, Dayton, OH.

Hopkins, B. M., & Dickinson, M. D. (2006). *Analytical method for the determination of roxarsone using an air sampling method coupled with gas chromatography/mass spectrometry*. Poster presented at the Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, Orlando, FL.

Hopkins, B. M. (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.

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.

Ramey, A. R., Chormanski, K. D., & **Mullins, R. J.** (2006). *Development of methods for asymmetric installation of a hydroxymethyl group*. Poster presented at the National Conference on Undergraduate Research (NCUR), Asheville, NC.

Azman, A. M., Rohlf, R. L., & **Mullins, R. J.** (2005). *Synthesis and medicinal chemistry of kalkitoxin*. Poster presented at the National Conference on Undergraduate Research (NCUR), Lexington, VA.