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Professional Experience

- **December 2007- Present.** Assistant Chemist, Heavy Elements and Separation Sciences Group, Argonne National Laboratory.
- **July 2005-December 2005.** Postdoctoral Fellow, Heavy Elements and Separation Sciences Group, Argonne National Laboratory.
- **July 2000-July 2005.** Research Assistant, Lawrence Berkeley National Laboratory, Actinide Chemistry Group, and Heavy Elements Nuclear and Radiochemistry Group.

Education

- Ph.D., Chemistry, University of California, Berkeley, December 2005.
- BS, Chemistry, State University of New York at Binghamton, May 2000.

Awards

- 2001-2005 Graduate Fellow of the United States Department of Energy, Office of Civilian Radioactive Waste Management.

Selected Publications

- L. Soderholm, S. Skanthakumar, R. E. Wilson. *Structures and Energetics of Erbium Chloride Complexes in Aqueous Solution.* *Journal of Physical Chemistry, A.* 113(22), 6391-6397, (2009).
- Richard E. Wilson, S. Skanthakumar, Karah Knope, Christopher Cahill, and L. Soderholm. *A Thorium Sulfate Hydrate with 11.5 Å Framework Voids.* *Inorganic Chemistry.* 47(20) 9321-9326, 2008.
- L. Soderholm, P. M. Almond, S. Skanthakumar, Richard E. Wilson, Peter C. Burns. *The structure of a Pu-38 oxide nanocluster.* *Angewandte Chemie Int. Ed.* 47 298-302, (2008).
- Richard E. Wilson, S. Skanthakumar, P. C. Burns, L. Soderholm. *Structure of the homoleptic thorium(IV) aqua ion: [Th(H₂O)₁₀]Br₄.* *Angewandte Chemie Int. Ed..* 46, 8043-8045, (2007).
- S. Skanthakumar, M. R. Antonio, Richard. E. Wilson, L. Soderholm. *The curium aqua ion.* *Inorganic Chemistry* 46(9) 3485-3491 (2007).
- Richard E. Wilson, S. Skanthakumar, Ginger Sigmon, Peter C. Burns, L. Soderholm. *Structures of Dimeric Hydrolysis Products of Thorium.* *Inorganic Chemistry* 46(7) 2368-2372, (2007).
- Richard E. Wilson, Philip M. Almond, Peter. C. Burns, L. Soderholm. *Structure and synthesis of Pu(III) chlorides in aqueous solution.* *Inorganic Chemistry*, 45, 8483-8485, (2006).