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**EDUCATION**

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<b>Ph.D.</b>	<b>Colorado School of Mines (CSM), USA</b> Environmental Science and Engineering	Completion: June 2008; Graduation: Dec. 2008
<b>M.S.</b>	<b>Colorado School of Mines (CSM), USA</b> Environmental Science and Engineering As part of the Dual-Degree Program with the University of Leoben, Austria	May 2001
<b>Dipl.-Ing.</b> (Equiv. M. Eng.)	<b>University of Leoben, Austria</b> Chemical Process Engineering in Industrial Environmental Protection	Dec. 2000



**Tinnacher, R. M.**; Holmboe, M.; Tournassat, C.; Bourg, I. C.; Davis, J. A. Ion Adsorption and Diffusion in Smectite Clay Barriers: Molecular, Pore, and Continuum Scale Views, *Geochimica et Cosmochimica Acta*, 2016, 177, 130-149.

Gilbert, B.; Comolli, L. R.; **Tinnacher, R. M.**; Kunz, M.; Banfield, J. F. Formation and Restacking of Disordered Osmotic Hydrates of Smectite, *Clays and Clay Minerals*, 2016, 63, 432-442.

Zheng, L.; Spycher, N.; Varadharajan,



**Tinnacher, R. M.;** Davis, J. A.; Tournassat, C.; Birkholzer, J. T. Uranium(VI) Diffusion in Sodium-Montmorillonite at Alkaline pH. Oral presentation at 251<sup>st</sup> ACS National Meeting & Exposition. March 13-17 2016, San Diego, CA.

**Tinnacher, R. M.;** Davis, J. A.; Cheshire, M. C.; Caporuscio, F. A. Potential Differences in Uranium(VI) Sorption to Sodium-Montmorillonite, and Untreated and Heat-treated Bentonite. Poster presentation at 15<sup>th</sup> International Conference on the Chemistry and Migration Behaviour of Actinides and Fission Products in the Geosphere. September 13-18 2015, Santa Fe, N.M.

**Tinnacher, R. M.;** Davis, J. A. Relevance of Pore Structure and Diffusion-Ac