

## Publication List

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### Monographs

- Wolff-Boenisch, D. (2004) Data on 17 Icelandic volcanic glasses and 1 Californian ignimbrite. Report# RH-03-2004, prepared for the Earth Science Institute, University of Iceland, pages 27.
- Wolff-Boenisch, D. (1997) Sorption experiments, infrared spectroscopic investigations, and dissolution studies on 2,4,6-Trinitrotoluene and 1,3-Dinitrobenzene. Implications for the environmental fate of explosives in the unsaturated soil compartment. Edition Wissenschaft, Reihe Geowissenschaften, Bd. 30, Tectum Verlag, Marburg, ISBN 3-8288-0100-5, pages 110.
- Wolff-Boenisch, D. (1997) Product assessment of offshore chemicals used in the exploration and exploitation of crude oil in the North Sea. Internal Report prepared for the Federal Environmental Agency, Berlin, pages 20.

### Journals

- Wolff-Boenisch, D. and Traina, S. J. (2007) The effect of desferrioxamine B, enterobactin, oxalic acid, and Na-alginate on the dissolution of uranyl-treated goethite at pH 6 and 25°C. *Chem. Geol.* 243, 357-368.
- Wolff-Boenisch, D. and Traina, S. J. (2007) The effect of desferrioxamine B on the desorption of U(VI) from Georgia kaolinite KGa-1b and its ligand-promoted dissolution at pH 6 and 25°C. *Chem. Geol.* 242, 278-287.
- Wolff-Boenisch, D. and Traina, S. J. (2006) A comparative study on the effect of desferrioxamine B, enterobactin, oxalic acid, and Na-alginate on the desorption of U(VI) from goethite at pH 6 and 25°C. *Geochim. Cosmochim. Acta* 70, 4356-4366.
- Wolff-Boenisch, D., Gislason, S. R., and Oelkers, E. H. (2005) The effect of crystallinity on dissolution rates and CO<sub>2</sub> consumption capacity of silicates. *Geochim. Cosmochim. Acta* 70, 568-580.
- Wolff-Boenisch, D., Gislason, S. R., and Oelkers, E. H. (2004) The effect of fluoride on the geometric surface area normalized dissolution rates of natural glasses at pH4 and 25°C. *Geochim. Cosmochim. Acta* 68, 4571-4582.
- Wolff-Boenisch, D., Gislason, S. R., Oelkers, E. H., and Putnis, C. V. (2004) The dissolution rates of natural glasses as a function of their composition at pH4 and 10.6, and temperatures from 25 to 74°C. *Geochim. Cosmochim. Acta* 68, 4843-4858.
- Schenk, D., Wolff-Boenisch, D. und Track, T. (1999) Freisetzungs-, Sorption-, Diffusions- und Transportverhalten von 2,4,6-Trinitrotoluol (TNT) in der ungesättigten Bodenzone im Hinblick auf die Problematik von Rüstungsaltslasten. *Mz. Geowiss. Mtlg.*, Bd. 32, 205-230.

Wolff-Boenisch, D., Track, T., Schenk, D. und Oberhänsli, R. (1996) Sorption von 2,4,6-Trinitrotoluol und 1,3-Dinitrobenzol an unterschiedlichen Bodenmodellsubstanzen. Grundwasser 1, 63-68.

### **Extended Abstracts**

Wolff-Boenisch, D., Gislason, S. R., and Oelkers, E. H. (2004) The effect of crystallinity and Si content on far-from-equilibrium silicate dissolution rates. Eleventh International Symposium on water-rock interaction, June 27<sup>th</sup> – July 2<sup>nd</sup> 2004, Saratoga Springs, USA, p. 1419-1423.

Gíslason, S. R., Oelkers, E. H., and Wolff-Boenisch, D. (2002) The consequences of basaltic glass dissolution. Abstract Volume, The 6<sup>th</sup> International Symposium on the Geochemistry of the Earth's Surface (GES-6), May 20<sup>th</sup> – 24<sup>th</sup> 2002, Honolulu, USA, p. 27-30.

Wolff-Boenisch, D., Track, T., and Schenk, D. (1997) Determination of linear sorption coefficients of nitroaromatic compounds by means of a simple linear relationship. Proceedings of the 214<sup>th</sup> ACS National Meeting, Division of Environmental Chemistry, Vol. 37, September 7<sup>th</sup> – 11<sup>th</sup> 1997, Las Vegas, USA, p. 26-28.

### **Abstracts**

Wolff-Boenisch, D. and Traina, S. J. (2005) Siderophore mediated desorption of uranyl from goethite. Abstract Volume, The 15<sup>th</sup> Annual VM Goldschmidt Conference, May 20<sup>th</sup> – 25<sup>th</sup> 2005, Moscow, USA, p. 317

Gíslason, S. R., Wolff-Boenisch, D., Oelkers, E. H., and Frogner, P. (2005) Oceanic nutrients from volcanic glasses. Geophysical Research Abstracts, Vol. 7, EGU General Assembly, April 24<sup>th</sup> – 29<sup>th</sup> 2005, Vienna, Austria, p. 4497.

Wolff-Boenisch, D., Gislason, S. R., and Oelkers, E. H. (2003) Chemical weathering rates of volcanic glasses. Abstract Volume, The 13<sup>th</sup> Annual VM Goldschmidt Conference, September 7<sup>th</sup> – 12<sup>th</sup> 2003, Kurashiki, Japan, p.666.

Heide, G., Wolff-Boenisch, D. und Klöß, G. (2003) Korrosion von vulkanischen Gläsern durch Oberflächenwässer. Tagungsband 77, Glastechnische Tagung, 26 – 28 Mai 2003, Leipzig, p. 28-31.

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- Gíslason, S. R., Oelkers, E. H., Wolff-Boenisch, D., and Ó. Arnalds (2002) Basaltic glass dissolution. Abstract Volume, Fall Meeting of the Icelandic Geological Society, dedicated to the 70<sup>th</sup> birthday of Guðmundur Sigvaldason, October 18<sup>th</sup> 2002, Nesjavellir, Iceland, p. 21-24.
- Wolff-Boenisch, D., Gíslason, S. R., and Oelkers, E. H. (2002) Dissolution rates of volcanic glasses as a function of aqueous fluoride concentration. Bull. Liaison S.F.M.C., Vol. 14, 29-30.
- Wolff-Boenisch, D., Gíslason, S. R., and Oelkers, E. H. (2002) Dissolution rates of volcanic glasses of different chemical compositions. Abstract Volume, The 12<sup>th</sup> Annual VM Goldschmidt Conference, August 18<sup>th</sup> – 23<sup>rd</sup> 2002, Davos, Switzerland, p. 842.
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- Wolff-Boenisch, D. and Gíslason, S. R (2002) Dissolution rate of volcanic glass as a function of glass composition. Abstract Volume, The 25<sup>th</sup> Nordic Geological Winter Meeting, January 6<sup>th</sup> – 9<sup>th</sup> 2002, Reykjavik, Iceland, p. 232.
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- Wolff-Boenisch, D., Track, T., and Schenk, D. (1996) Sorption of 2,4,6-Trinitrotoluol and 1,3-Dinitrobenzol on natural untreated clays. Proceedings of the 4<sup>th</sup> European Conference on Ecotoxicology and Environmental Safety, August 25<sup>th</sup> – 28<sup>th</sup> 1996, Metz, France, p. 66.