PUBLICATIONS LIST

DISSEETATION

JOURNALS (IN PREP.) – 4
Fiege A., Botcharnikov R.E., Holtz F., Behrens H. (----) Disequilibrium degassing of SO2 during volcanic eruptions: Implications for excess sulfur release and late-stage anhydrite formation. Geochemistry, Geophysics, Geosystems, in prep.

BOOK/BOOK CHAPTER (IN PREP.) – 1

JOURNALS (PEER-REVIEWED, UNDER REVIEW) – 16
Knipping J., Fiege A., Oeser-Rabe M., Simon A., Bilenker L., Reich M. (----) In-situ iron isotope analyses reveal igneous and magmatic-hydrothermal growth of magnetite at the Los Colorados Kiruna-type iron oxide - apatite deposit, Chile. American Mineralogist, under review.


INVITED TALKS – 15


Fiege A. (November 30th, 2015): A magma mixing redox trap that may moderate mass transfer of S and metals. *Geodynamics Seminar*, Lamont-Doherty Earth Observatory, Columbia University, USA.

**Fiege A.** (March 27th, 2015): From the magma chamber to the surface: Behavior of Volatiles and Metals during Magma-Mixing and Decompression-Induced Degassing. *Distinguished Lecturer Seminar Series*, Department of Geological Sciences, Michigan State University, USA.

**Fiege A.** (March 9th, 2015): Magmatic Processes at Subduction Zones: Transport of Sulfur (and other Volatiles) and the Redox Evolution during Magma mixing. *Seminar Talk*, Institute for Mineralogy and Petrography, University of Innsbruck, Austria.


**Fiege A.** (April 30th, 2014): S isotope fractionation between fluid and silicate melt: Experimental Results and Implications to Earth’s S Cycle. *Geochemistry Seminar Series*, Lamont-Doherty Earth Observatory, Columbia University, USA.

**Fiege A.** (February 7th, 2014): Kinetics of Sulfur Degassing During Decompression of Silicate Melts? *Smith Lecture*, University of Michigan, USA.

**Fiege A.** (January 31st, 2014): Can kinetic effects explain excess sulfur degassing during volcanic eruption? *Earth Science Colloquium*, University of Western Ontario, Canada.

**ABSTRACTS – 60**


**Knipping J.L.,** Behrens H., Stabile P., Giuli G., **Fiege A.** (2013): Effect of fO₂ on the coordination and oxidation state of iron in silicate glasses. DMG-GV-Sediment Join Meeting, Tübingen, Germany. *Poster*


**Fiege A.,** Behrens H., Mandeville C., Shimizu N. (2011): Partitioning of S(-Cl) and S-isotopes between fluid and andesitic melt. Goldschmidt Conference Abstract, Goldschmidt Meeting 2011, Prague, Czech Republic. *Poster*


**Linnen R.L.,** Aseri A., **Fiege A.,** Holtz F. (2011): The role of fluorine on the solubility of high field strength element in silicate melts. GAC-MAC annual meeting 2011, Ottawa, Canada. *Poster, R. Linnen*


**Fiege A.,** Kirchner C., Bartels A., Holtz F., Linnen R.L. (2009): Influence of fluorine on the solubility of manganotantalite (MnTa₂O₆) and manganocolumbite (MnNb₂O₆) in natural rhyolitic, synthetic
haplogranitic and pegmatitic melts. 87. Tagung der Deutschen Mineralogischen Gesellschaft, Halle, Germany. **Talk**


*First author is a (under-) graduate student, (co-) advised by Adrian Fiege.*

**OTHERS (INCLUDING NON-SCIENTIFIC ARTICLES/REPORTS) – 5**

Hess B.L., **Fiege A.**, Tailby N. (2017) Mn, Fe, and S in apatite: Implications to the evolution of S- and I-type granites. volcaNYC Symposium at Queens College, CUNY, New York, USA

Ruprecht P., Simon A., Muntean J., **Fiege A.** (2016): Bringing the scientific and economic geology communities together as part of the Subduction Zone Observatory. Whitepaper, The Subduction Zone Observatory Workshop, Boise, Iowa, USA.

