



Selected Publications

Jonkers et al., (2016), 'Chamber formation leads to Mg/Ca banding in the planktonic foraminifer *Neogloboquadrina pachyderma*'. *Earth and Planetary Science Letters*, vol 451., pp. 177-184

Williams C. D.; Ushikubo T.; Bullock E. S.; Janney P. E.; Hines R. R.; Kita N. T.; Hervig R. L.; MacPherson G. J.; Mendybaev R. A.; Richter F. M.; Wadhwa M. (2016) Thermal and chemical evolution of the early Solar System: Part I - Petrology, mineral chemistry, and isotopic composition of Allende FUN CAI CMS-1. *Geochimica et Cosmochimica Acta*, in press.

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Garcia, M.O., Weis, D., Jicha, B.R., Ito, G., Hanano, D., (2015). Petrology and geochronology of lavas from Ka'ula Volcano: Implications for rejuvenated volcanism of the Hawaiian Mantle Plume. *Geochimica et Cosmochimica Acta*, Fred Frey Special Issue, doi.org/10.1016/j.gca.2016.03.025.

Śliwiński, M. G., Kitajima, K., Kozdon, R., Spicuzza, M. J., Fournelle, J. H., Denny, A., & Valley, J. W. (2015). Secondary Ion Mass Spectrometry Bias on Isotope Ratios in Dolomite-Ankerite, Part I: $\delta^{18}\text{O}$ Matrix Effects. *Geostandards and Geoanalytical Research*.

Bonamici, C. E., Fanning, C. M., Kozdon, R., Fournelle, J. H., & Valley, J. W. (2015). Combined oxygen-isotope and U-Pb zoning studies of titanite: New criteria for age preservation. *Chemical Geology*, 398, 70-84.

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Seddio, S. M., B. L. Jolliff, R. L. Korotev, and P. K. Carpenter (2014) Thorite in an Apollo 12 granite fragment and age determination using the electron microprobe. *Geochim. Cosmochim. Acta* 135, pp. 307-320.

Pistone et al., 2016, 'Textural and chemical consequences of interaction between hydrous mafic and felsic magmas: an experimental study'. *Contributions to Mineralogy and Petrology*

2014 Jenner, F.; Hauri, E. H.; Bullock, E. S.; König, S.; Arculus, R. J.; Mavrogenes, J. A.; Mikkelsen, N., Goddard, C. The role of partial melting, sulfide saturation, magma mixing, and degassing on the chalcophile budgets of convergent margin magmas. *EPSL*, accepted.

2014 Archer, G. J.; Ash, R. D.; Bullock, E. S.; Walker, R. J. Highly siderophile elements and ^{187}Re - ^{187}Os isotopic systematics of the Allende meteorite: Evidence for primary nebula processes and late-stage alteration *Geochimica et Cosmochimica Acta*, Volume 131, p. 402-414.

2013 Abreu, Neyda M.; Bullock, E. S. Opaque assemblages in CR2 Graves Nunataks (GRA) 06100 as indicators of shock-driven hydrothermal alteration in the CR chondrite parent body *Meteoritics & Planetary Science*, 48, p. 2406-2429.

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Zhang, Z., Lentsch, N., & Hirschmann, M. M. (2015). Carbon-saturated monosulfide melting in the shallow mantle: solubility and effect on solidus. *Contributions to Mineralogy and Petrology*, 170(5-6), 1-13.

Zhang, Z., & Hirschmann, M. M. (2016). Experimental constraints on mantle sulfide melting up to 8 GPa. *American Mineralogist*, 101(1), 181-192.

Zhang, H. L., Hirschmann, M. M., Cottrell, E., Newville, M., & Lanzirotti, A. (2016). Structural environment of iron and accurate determination of Fe³⁺/SFe ratios in andesitic glasses by XANES and Mössbauer spectroscopy. *Chemical Geology*, 428, 48-58.

M. Tasaka, M.E. Zimmerman, and D.L. Kohlstedt, (2015), Creep behavior of Fe-bearing olivine under hydrous conditions", *J. Geophys. Res. Solid Earth*, 120, doi:10.1002/2015JB012096.

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