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Research Interests:

Chemical geodynamics of mantle plumes and subduction zones
Hotspot - spreading ridge interaction
Volcanology of seamounts
Origin of diamonds

Recent Publications:

Chadwick, J., R. Keller, G. Kamenov, G. Yogodzinski, and J. Lupton, 2014, The Cobb hot spot: HIMU-DMM mixing and melting controlled by a progressively thinning lithospheric lid. *G-cubed* doi:10.1002/2014GC005334

Chaytor, J.D., R.A. Keller, R.A. Duncan, and R.P. Dziak, 2007, Seamount morphology in the Bowie and Cobb hotspot trails, Gulf of Alaska. *G-cubed* doi:10.1029/2007GC001712.

Keller, R.A., D.W. Graham, K.A. Farley, R.A. Duncan, and J.E. Lupton, 2004, Cretaceous to recent record of elevated helium isotopes along the Hawaiian-Emperor volcanic chain. *G-cubed* doi:10.1029/2004GC000739.

