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PROFESSIONAL PREPARATION

Stanford University	Earth Sciences	2002-Present
Dartmouth College	Earth Sciences	M.A. 2001
Dartmouth College	Earth Sciences	B.S. 1999

PUBLICATIONS

Hren M.T., Tice, M., Lowe D.L., Chamberlain C., P. (In Prep) Isotopic composition of Archean ocean waters: Hydrogen isotopes and the Buck Reef Chert

Hren M.T., Chamberlain C. P., Hilley G. E., Bookhagen B. (*In Review: Geochimica et Cosmochimica Acta*) Major ion chemistry of the Yarlung Tsangpo/Brahmaputra River: Chemical weathering, erosion, and CO₂ consumption in the southern Tibetan plateau and eastern syntaxis of the Himalaya.

Hilley G.E., Hren M.T., Chamberlain C.P. (*In Review: Geochimica et Cosmochimica Acta*) Chemical Weathering of Steady-state Landscapes.

Hren M.T., Hilley G.E., Chamberlain C.P. (*In: Review Geology*) The role of reaction-limited and supply-limited landscapes on CO₂ consumption during chemical weathering

Hren M.T, Lowe D.R., Tice M.M., Byerly G., Chamberlain, C.P. (2006) Stable isotope and Rare Earth Element evidence for recent ironstone pods within the Archean Barberton greenstone belt, South Africa. *Geochimica et Cosmochimica Acta* 70:1457-1470

Hren MT; Chamberlain CP; Magilligan FJ (2001) A combined flood surface and geochemical analysis of metal fluxes in a historically mined region: A case study from the New World Mining District, Montana, *Environmental Geology*, Vol 40, Iss 11-12, p 1334-1346

Sjostrom, D, Hren MT, Chamberlain C.P. (2004) Oxygen isotope record of goethite from ferricrete deposits indicate regionally varying Holocene climate change in the Rocky Mountain region, USA. *Quaternary Research*. 61:64-71.

Booth, A.L., Zeitler, P.K., Kidd, W.S.F., Wooden, J., Liu, Y., Idleman, B., Hren, M., and Chamberlain, C.P., (2004) U-Pb zircon constraints on the tectonic evolution of Southeastern Tibet, Namche Barwa area. *American Journal of Science*. 304:889-929

Horton T.W., Sjostrom D.J., Abruzzese M.J., Poage M.A., Waldbauer J.R., Wooden J.L., Hren, M., Chamberlain C.P. (2004) Spatial and temporal variation of Cenozoic surface elevation in the great basin and southern Sierra Nevada. *American Journal of Science*. 304:862-888.

Horton, T.W., Sjostrom, D.J., Abruzzese, M.J., Poage, M.A., Waldbauer, J.R., Hren, M., Wooden, J., and Chamberlain, C.P. (2004) Eocene uplift and Miocene subsidence of the Great Basin and southern Sierra Nevada. *American Journal of Science*, v.304, p. 862-888

Sjostrom, D.J., Hren, M.T., Horton, T.W., Waldbauer, J.R., and Chamberlain, C.P. (2005) Stable isotopic evidence for an early Tertiary elevation gradient in the Great Plains - Rocky Mountains. Geological Society of America Penrose Conference Volume.

Meibom A., Anderson D.L., Sleep N.H., Frei R., Chamberlain C.P., Hren M.T., Wooden J.L. (2003) Are high $^3\text{He}/^4\text{He}$ ratios in oceanic basalts an indicator of deep-mantle plume components? *Earth and Planetary Science Letters* 208:197-204

Meibom A, Frei R, Chamberlain CP, Coleman RG, Hren M, Sleep NH, Wooden JL (2002) OS isotopes, deep-rooted mantle plumes and the timing of inner core formation. *Meteorites & Planetary Science*, v 37 (7): A98-A98 Suppl.

Meibom A, Sleep NH, Chamberlain CP, Coleman RG, Frei R, Hren MT, Wooden JL (2002) Re-Os isotopic evidence for the long-lived heterogeneity and equilibrium processes in the Earth's upper mantle. *Nature*, v. 419, p. 705-8

HONORS AND AWARDS

2005	McGee foundation student research Grant
2005	Stanford Nanofabrication Facility research grant
2004	Geological Society of America Student Research Grant
2003	Honorable mention NSF Graduate Student Fellowship
2003	McGee foundation student research Grant (Stanford University)
2001	Geological Society of America Outstanding Student Research Award
2001	Geological Society of America Student Research Grant
1999	Richter Foundation Student Research Grant (Dartmouth College)

PROFESSIONAL EXPERIENCE

2005-2006	Research Assistant, Stable isotope biogeochemistry laboratory, Stanford University
2002-2004	Research Assistant, SHRIMP-RG Laboratory, U.S. Geological Survey Stanford University
2001-2002	Geologist, Henshaw Associates, Environmental Consultants
1997-1999	Stable Isotopes Laboratory Technician, Dartmouth College