

John Milan Hora

Curriculum Vitae

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Education

- currently working toward Ph.D. in Geochemistry, University of Wisconsin-Madison
- M.S in Geochemistry, UCLA, 2003
- B.S. in Biochemistry and Geology (summa cum laude, college and department honors), UCLA, 1999

Positions Held

- Teaching Assistant for Mineralogy and Petrology, UW-Madison (spring 2005, spring 2007)
- Teaching Assistant for Introduction to Geology, UW-Madison (spring 2004)
- Lewis G. Weeks Research Assistant, UW-Madison (2002-2003)
- Earth and Space Sciences Department Museum Curator, UCLA (2000 - 2002)
- Teaching Assistant for Introduction to Physical Geology, UCLA (fall 2000 & fall 2001)

Honors, Awards and Research Funding

- Geological Society of America Research Grant (2001, 2003)
- Sigma Xi Grant-in-Aid of Research (2001, 2003)
- University of California Regents Scholarship (1997-1999)
- UCLA Provost's Honors (1996-1999)
- Dean's Prize for Achievement in Undergraduate Science Research, UCLA (1998)
- CSEOL Award for Outstanding Undergraduate Research in Evolution and the History of Life (1998)
- Wilbur B. Sherman Scholarship in Earth and Space Sciences, UCLA (1998)

Publications

4. Davidson, J.P., Morgan, D.J., Charlier, B.L.A., Harlou, R., **Hora, J.M.** (2007) Microsampling and isotopic analysis of igneous rocks: Implications for the study of magmatic systems. *Annual Review of Earth and Planetary Sciences* **35**: 273-311.
3. **Hora, J.M.**, Singer, B.S., Wörner, G. (2007) Volcano evolution and eruptive flux on the thick crust of the Andean Central Volcanic Zone: $^{40}\text{Ar}/^{39}\text{Ar}$ constraints from Volcán Paríacota, Chile. *Geological Society of America Bulletin* **119**(3-4): 343-362.
2. Davidson, J., Charlier, B., **Hora, J.M.**, Perloth, R. (2005) Mineral isochrons and isotopic fingerprinting: Pitfalls and promises. *Geology* **33**(1): 29-32.
1. Davidson, J.P., **Hora, J.M.**, Garrison, J.M., Dungan, M.A., (2005) Crustal forensics in arc magmas. *Journal of Volcanology and Geothermal Research* **140**: 157-170.

Meeting Abstracts

- Jicha, B.R., Singer, B.S., Johnson, C.M., Beard, B.L., Hora, J.M. (2007) Shallow crystallization and deep magma storage: Insights from U-Th and $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology. *Geochimica Et Cosmochimica Acta* **71**:15 p. A446.
- **Hora, J.M.**, Singer, B.S., Wörner, G. (2005) Sector collapse and rapid rebuilding of Paríacota Volcano: extending $^{40}\text{Ar}/^{39}\text{Ar}$ dating of lava flows into the Holocene. *EOS Transactions AGU*, **86** (52), Fall Meet. Suppl. Abstract V44B-05.
- **Hora, J.M.**, Singer, B.S., Wörner, G., Clavero, J.E. (2004) Eruptive flux during periods of cone growth and collapse at Volcán Paríacota, Chilean CVZ, from a high-resolution $^{40}\text{Ar}/^{39}\text{Ar}$ eruptive chronology. *IAVCEI General Assembly*, Pucón, Chile.
- Davidson, J.P., Tepley, F.J., and **Hora, J.M.** (2003) Magma chamber dynamics constrained by crystal isotope stratigraphy, *EGS-AGU-EUG Joint Assembly*, Nice, France.
- **Hora, J.M.**, and Davidson, J.P. (2002) Crystal textures as recorders of magmatic processes: Ngauruhoe Volcano, New Zealand. *EOS Transactions AGU*, **83** (47) Abstract V61A-1347.

Meeting Abstracts (continued)

- **Hora, J.M.**, Davidson, J.P., and Hobden, B.J. (2002) The role of mixing in the evolution of andesites at Ngauruhoe Volcano, New Zealand: constraints from analyses of crystal growth zones. *Geochimica Et Cosmochimica Acta* **66** p. A340.
- Davidson, J., Tepley, F., **Hora, J.**, and Knesel, K. (2002) Magma system processes constrained by mineral-scale isotope variations: *Geochimica Et Cosmochimica Acta*, **66**, p. A170.
- Davidson, J.P., Tepley, F.J., and **Hora, J.M.** (2001) Laser ablation Sr Isotope analysis of feldspar in volcanic rocks, *Geological Association of Canada / Mineralogical Society of Canada*, St John's, Newfoundland, **26**: 34.
- **Hora, J.M.**, Davidson, J.P., Hobden, B.J., and Tepley, F.J. (2000) Fingerprinting differentiation pathways through mineral isotope systematics at Ngauruhoe Volcano, New Zealand: *EOS Transactions AGU*, **81 (48)** Abstract V22C-07.
- **Hora, J.M.**, Hobden, B.J., Davidson, J.P., and Tepley, F.J. (2000) Crystal-melt isotopic disequilibrium as a possible indicator of open system processes at Ngauruhoe Volcano, New Zealand, in Smith, I.E.M., Davidson, J.P., Gamble, J.A., and Price, R.C., eds., *State of the Arc 2000: Processes and timescales*.
- Hobden, B.J., **Hora, J.M.**, and Davidson, J.P. (2000) Complex differentiation histories revealed by short-term geochemical and isotopic variations between and within lavas of Ngauruhoe Volcano, New Zealand: *Goldschmidt 2000 Journal of Conference Abstracts*, **5**: 520-521.
- **Hora, J.M.**, and Marshall, C.R. (1998) The Cenomanian macrofossil extinctions in the Western Interior Seaway, USA, after correcting for the incompleteness of the fossil record. *GSA Abstracts with Programs* **30**: 20.

Memberships and Professional Affiliations

- American Geophysical Union
- Geological Society of America
- IAVCEI