Publications:

Books:


Peer-Reviewed Articles (Published/In Press):


Peer-Reviewed Articles/Book Chapters (In Review/Revision): Total: 6

Chiasera, B., Rooney, T.O., Bastow, I., Yirgu, G., Grosfils, E., Ayalew, D., Mohr, P., Zimbelman, J., Ramsey, M.S., Geochemically constraining the depth of the lithosphere-asthenosphere boundary in the central main Ethiopian rift system, Geochem., Geophys., Geosys. (G3), (in review).


Peer-Reviewed Articles/Book Chapters *(In Preparation):*


Non Peer-Reviewed Articles/Conference Proceedings: *(Total: 7)*


Extended Conference Abstracts: *(Total: 70)*


Ramsey, M.S. and Christensen, P.R., Thermal infrared data of the Earth and lunar surface (from the lunar surface), Lunar Surface Science Workshop, abs. #5045, 2020.

2019


2018


Ramsey, M.S. and Williams, D.B., Remote sensing of volcanic plume gas-solid interactions using laboratory, ground and orbital thermal infrared data, Elizabeth & Frederick White Conference, Canberra, Australia, 2018.


2017


2016


2015


2014

Simurda, C.M.* and Ramsey, M.S., Correcting topographic shadowing errors in apparent thermal inertia images, Lunar Planet. Sci. Conf. #XLV, abs. #2400, 2014.


King, P.L., Lee, R.J.* and Ramsey, M.S., New methods to probe the full thermal history of volcanic rocks, *Geological Society of Australia, Specialist Group in Geochemistry, Mineralogy and Petrology (SGGMP)* meeting, 2012.


2008

2007

2006

2005

2004

2003

2002  


2001  

Stefanov, W.L., Christensen, P.R. and Ramsey, M.S., Remote sensing of urban ecology at regional and global scales: Results from the Central Arizona-Phoenix LTER site and ASTER urban environmental monitoring program, *Regensberger Geographische Schriften 35*, (plus suppl. CD-ROM), 97-98, 2001.

2000  


1997  

1995  


1994  


**Conference Abstracts:**

**Total: 196**


2017


Ramsey, M.S., Chevrel, M.O. and Harris, A.J.L., Modeling the 2012-2013 lava flows of Tolbachik, Russia using thermal infrared satellite data and PyFLOWGO, AGU Fall Mtg., 2017.


Thompson, J.O.* and Ramsey, M.S., Thermal infrared data of active lava surfaces using a newly-developed camera system, AGU Fall Mtg., 2017.

Krippner, J.B.*, Belousov, A., Belousova, M. and Ramsey, M., Combining satellite, aerial, and field data to distinguish pyroclastic flow vs. block and ash flow deposits at Mount St. Helens and Shiveluch volcanoes, Cities on Volcanoes 9, Chile, 2016.

Lee, R.J.*and Ramsey, M.S., What is the emissivity of active basaltic lava flows?, AGU Fall Mtg., 2016.


Ramsey, M.S. and Harris, A.J.L., Modelling the thermal and infrared spectral properties of active vents: Comparing basaltic lava flows of Tolbachik, Russia to Arisia Mons, Mars, AGU Fall Mtg., 2016.


Ramsey, M.S., INVITED: Deciphering soil moisture and surface composition of the world’s drylands using thermal infrared airborne and spaceborne data, GSA Annual Mtg., session T179, abs. 22-10, 2015.


Ramsey, M.S. and Harris, A.J.L., INVITED: The thermospectral infrared properties of active basaltic flows: Constraining petrology, lava cooling and flow propagation models, 26th IUGG General Assembly, Abst. & Prog., abs. #3519, 2015.


Williams, D.B.* and Ramsey, M.S., Ground-based analysis of volcanic ash plumes using a new multispectral thermal infrared camera approach, abs. PA43C-2196, presented at AGU Fall Mtg., 2015.

Ramsey, M.S., Synergistic use of satellite volcano detection and science: A fifteen year perspective of ASTER on Terra, abs. GC51E-0479, presented at AGU Fall Mtg., 2014.


2013


2012


2011


Harburger, A.M.* and Ramsey, M.S., Measuring basaltic flow viscosity from crustal thickness, GSA Annual Mtg., abs. 250-8, 2011.

Hughes, C.G.* and Ramsey, M.S., Super-resolution of playa lake deposits over time, GSA Northeastern/North-Central Regional Mtg., GSA Abst. with Prog., vol. 43, no. 1, abs. 185881, 2011.

Lee, R.J.* and Ramsey, M.S., Thermal infrared (TIR) emission spectroscopy of silicic melts: Application to remote sensing of active volcanoes, GSA Northeastern/North-Central Regional Mtg., GSA Abst. with Prog., vol. 43, no. 1, abs. 184888, 2011.


Ramsey, M.S., How has remote sensing of dynamic activity evolved over the past decade?, GSA Northeastern/North-Central Regional Mtg., GSA Abst. with Prog., vol. 43, no. 1, abs. 184904, 2011.


Ramsey, M.S. and Lee, R.J.*, Thermal emissivity measurements of molten silicates: implications for lava flow emplacement and hazards, IUGG XXV General Assembly Abst. & Prog., abs. #4184, 2011.


Mohammad, R.*, Ramsey, M.S. and Scheidt, S.P.*, Using thermal infrared (TIR) data to characterize dust sources, dust fall and the linkage to climate in the Middle East, AGU abs. A13E-0266, presented at the AGU Fall Mtg., 2010.


Ramsey, M.S., INVITED: What more have we learned from thermal infrared remote sensing of active volcanoes other than they are hot?, Eos Trans. AGU, 90(52), Fall Mtg. Suppl., abs. V24B-01, 2009.


2003


2002


**2001**


**2000**


**Ramsey, M.S.** and Stefanov, W.L., The Advanced Spaceborne Thermal Emission and Reflectance Radiometer (ASTER) Urban Environmental Monitoring program: Local results using airborne


* Coauthor who is a current or former graduate/undergraduate student

8 Selected as Outstanding Student Presenter Award (OSPA) in the VGP sessions, AGU meeting, 2015
7 Selected as best student first-author presentation in the VGP sessions, AGU meeting, 2009
6 Selected as best student first-author presentation in the VGP sessions, AGU meeting, 2008
5 Selected as best student first-author presentation in the Biogeosciences sessions, AGU meeting, 2002
4 Chosen as a featured story on NASA’s Earth Observatory Web Page
3 Featured in NASA/American Geophysical Union press conference
2 Chosen as a news story on NASA’s Earth Observatory Web Page
1 Selected as newsworthy by the Geological Society of America