**MICHAEL S. RAMSEY**  
**Publications**

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**PUBLICATIONS:**

**Peer-Reviewed Articles (Published/In Press):**

<table>
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<tr>
<th>Author(s)</th>
<th>Title</th>
<th>Journal</th>
<th>DOI</th>
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Books/Book Chapters:


Peer-Reviewed Articles/Book Chapters (In Review/Revision):  
**Total: 3**


Peer-Reviewed Articles/Book Chapters (In Preparation):  
**Total: 4**


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


Extended Conference Abstracts:  
**Total: 75**


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.


Ramsey, M.S. and Christensen, P.R., Thermal infrared Earth imaging from the DSG, Deep Space Gateway Science Workshop, abs. #3164, 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.


2005 


2004 

2003 


2002 


2001 

Stefanov, W.L., Christensen, P.R., 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 
Ramsey, M.S. and Christensen, P.R., Monitoring potential desertification via airborne TIR data: Sediment transport in the Mojave Desert, California, First JPL Workshop on Rem. Sens. of Land Surface Emissivity, Pasadena, CA, 4pp., 1997.


**Conference Abstracts:**  
Total: 218


Ramsey, M.S., Watson, I.M., Coppola, D., Wright, R., Wessels, R., A paradigm shift in volcanological imaging: Two decades of thermal infrared data from Terra, AGU Fall Mtg., abs. GC14B-08, 2019.


Thompson, J.O.* and Ramsey, M.S., Active lava surface properties and flow propagation derived from infrared data, AGU Fall Mtg., abs. V23C-05, 2019.


Ashley, K.T. and Ramsey, M.S., Thermodynamic and rheologic modeling equilibrium crystallization of Venusian lava flows, with considerations for large geochemical uncertainties, AGU Fall Mtg., 2018.


Ramsey, M.S., Chevrel, M.O., 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.


2016

Krippner, J.B.*, Belousov, A., Belousova, M., 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 Arsia Mons, Mars, AGU Fall Mtg., 2016.


2015


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2014


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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., 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.


2005


2002


2001


3 Ramsey, M.S., Harris, A.J.L., Dehn, J., Pirie, D., Thermal anomaly monitoring of the ongoing eruptions at Soufrière Hills Volcano, Montserrat and Bezymianny Volcano, Kamchatka: First


2000


1999


1998


1997


1996


* 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