

**volume 118**  
**number 11**  
**November 2013**

Articles published online  
1 November – 30 November 2013

**Journal of  
Geophysical  
Research  
Solid Earth**

**J  
G  
R**

The online article is the official version and may contain additional content not available in this print issue. To access the full article, including multimedia, enhanced figures, supporting information, and other nonprinted content, go to <http://wileyonlinelibrary.com/journal/jgrb>.

## Geomagnetism and Paleomagnetism/Marine Geology and Geophysics

- 5737 *Yongjae Yu*  
Correction to “High-fidelity paleointensity determination from historic volcanoes in Japan” (doi 10.1002/2013JB010759)

## Chemistry and Physics of Minerals and Rocks/Volcanology

- 5738 *Claire W. Thomas and Paul D. Asimow*  
Direct shock compression experiments on premolten forsterite and progress toward a consistent high-pressure equation of state for CaO-MgO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub>-FeO liquids (doi 10.1002/jgrb.50374)
- 5753 *Laura B. Hebert and Laurent G. J. Montési*  
Hydration adjacent to a deeply subducting slab: The roles of nominally anhydrous minerals and migrating fluids (doi 10.1002/2013JB010497)
- 5771 *L. Spampinato, G. Ganci, P. A. Hernández, D. Calvo, D. Tedesco, N. M. Pérez, S. Calvari, C. Del Negro, and M. M. Yalire*  
Thermal insights into the dynamics of Nyiragongo lava lake from ground and satellite measurements (doi 10.1002/2013JB010520)
- 5785 *P. Segall, A. L. Llenos, S.-H. Yun, A. M. Bradley, and E. M. Syracuse*  
Time-dependent dike propagation from joint inversion of seismicity and deformation data (doi 10.1002/2013JB010251)
- 5805 *Dmytro M. Trots, Alexander Kurnosov, Tiziana Boffa Ballaran, Sergey Tkachev, Kirill Zhuravlev, Vitali Prakapenka, Marek Berkowski, and Daniel J. Frost*  
The Sm:YAG primary fluorescence pressure scale (doi 10.1002/2013JB010519)

## Seismology

- 5814 *Simone Salimbeni, Silvia Pondrelli, and Lucia Margheriti*  
Hints on the deformation penetration induced by subductions and collision processes: Seismic anisotropy beneath the Adria region (Central Mediterranean) (doi 10.1002/2013JB010253)
- 5827 *Yumi Urata, Keiko Kuge, and Yuko Kase*  
Suppression of slip and rupture velocity increased by thermal pressurization: Effect of dilatancy (doi 10.1002/2013JB010640)
- 5838 *Junichi Nakajima, Shuhei Hada, Erika Hayami, Naoki Uchida, Akira Hasegawa, Shoichi Yoshioka, Toru Matsuzawa, and Norihito Umino*  
Seismic attenuation beneath northeastern Japan: Constraints on mantle dynamics and arc magmatism (doi 10.1002/2013JB010388)
- 5856 *O. Zakharova, S. Hainzl, and C. Bach*  
Seismic moment ratio of aftershocks with respect to main shocks (doi 10.1002/2013JB010191)
- 5865 *Honn Kao, Yannik Behr, Claire A. Currie, Roy Hyndman, John Townend, Fan-Chi Lin, Michael H. Ritzwoller, Shao-Ju Shan, and Jiangheng He*  
Ambient seismic noise tomography of Canada and adjacent regions: Part I. Crustal structures (doi 10.1002/2013JB010535)

- 5888** *S. Latour, C. Voisin, F. Renard, E. Larose, S. Catheline, and M. Campillo*  
Effect of fault heterogeneity on rupture dynamics: An experimental approach using ultrafast ultrasonic imaging (doi 10.1002/2013JB010231)
- 5903** *Han Yue, Thorne Lay, Jeffrey T. Freymueller, Kaihua Ding, Luis Rivera, Natalia A. Ruppert, and Keith D. Koper*  
Supershear rupture of the 5 January 2013 Craig, Alaska ( $M_w$  7.5) earthquake (doi 10.1002/2013JB010594)
- 5920** *Yoshio Fukao and Masayuki Obayashi*  
Subducted slabs stagnant above, penetrating through, and trapped below the 660 km discontinuity (doi 10.1002/2013JB010466)
- 5939** *Diego Melgar and Yehuda Bock*  
Near-field tsunami models with rapid earthquake source inversions from land- and ocean-based observations: The potential for forecast and warning (doi 10.1002/2013JB010506)
- 5956** *Y. Wang, G. Ouillon, J. Woessner, D. Sornette, and S. Husen*  
Automatic reconstruction of fault networks from seismicity catalogs including location uncertainty (doi 10.1002/2013JB010164)
- 5976** *N. M. Beeler, Amanda Thomas, Roland Bürgmann, and David Shelly*  
Inferring fault rheology from low-frequency earthquakes on the San Andreas (doi 10.1002/2013JB010118)

### **Geodesy and Gravity/Tectonophysics**

- 5991** *S. J. Claessens and C. Hirt*  
Ellipsoidal topographic potential: New solutions for spectral forward gravity modeling of topography with respect to a reference ellipsoid (doi 10.1002/2013JB010457)
- 6003** *Enrico Serpelloni, Claudio Faccenna, Giorgio Spada, Danan Dong, and Simon D. P. Williams*  
Vertical GPS ground motion rates in the Euro-Mediterranean region: New evidence of velocity gradients at different spatial scales along the Nubia-Eurasia plate boundary (doi 10.1002/2013JB010102)
- 6025** *Shijie Zhong and A. B. Watts*  
Lithospheric deformation induced by loading of the Hawaiian Islands and its implications for mantle rheology (doi 10.1002/2013JB010408)