

Earthquake of the Week - Spring 2016

Suggested Reading list (B. Romanowicz)

Chaves and Schwartz (2016) Monitoring transient changes within overpressured regions of subduction zones using ambient seismic noise, *Science Advances*, 8 Jan 2016

Hardebeck, J. (2015) **Stress orientations in subduction zones and the strength of subduction megathrust faults, *Science*, 349, 11 sept 2015**

Galetzka et al. (2015) Slip pulse and resonance of the Kathmandu basin during the 2015 Gorkha earthquake, Nepal, *Science*, 349, 1091-1095, 4 sept issue.

Gerya et al. (2015) Plate tectonics on the Earth triggered by plume-induced subduction initiation, *Nature*, 527, 22-225.

Hicks and Rietbock (2015) **Seismic slip on an upper-plate normal fault during a large subduction megathrust rupture *Natgeo*, 8, - pp955 - 960**

Shillington et al. (2015) **Link between plate fabric, hydration and subduction zone seismicity in Alaska -*Natgeo*, 8, pp961 - 964**

Ikari et al. (2015) Spectrum of slip behaviour in Tohoku fault zone samples at plate tectonic slip rates -*Natgeo*, 8, pp870 - 874

Viesca and Garagash (2015) Ubiquitous weakening of faults due to thermal pressurization - *Natgeo* 8, pp875 - 879

Avouac et al. (2015) Lower edge of locked Main Himalayan Thrust unzipped by the 2015 Gorkha earthquake -*Natgeo* 8, pp708 - 711
together with: Bilham (2015) Seismology: Raising Kathmandu - *Natgeo* 8, pp582 - 584

Arculus et al. (2015) A record of spontaneous subduction initiation in the Izu–Bonin–Mariana arc - *Natgeo* 8, pp728 - 733

Herrendorfer et al. (2015) earthquake supercycle in subduction zones controlled by the width of the seismogenic zone - *Natgeo* 8, pp471 - 474

Martinez-Garzon et al. (2015) Scaling of maximum observed magnitudes with geometrical and stress properties of strike-slip faults, *GRL*, 42,10,230–10,238

Sandanbata et al. (2015) Sudden changes in the amplitude-frequency distribution of long-period tremors at Aso volcano, southwest Japan, *GRL*, 42, 10,256

Mignan A (2015) Modeling aftershocks as a stretched exponential relaxation, GRL, 42, 9726

Olivier et al. (2015) Investigation of coseismic and postseismic processes using in situ measurements of seismic velocity variations in an underground mine, GRL, 42,9261

McNamara et al. (2015) Reactivated faulting near Cushing, Oklahoma: Increased potential for a triggered earthquake in an area of United States strategic infrastructure, GRL, 42, 8328

Lin et al. (2015) Location and size of the shallow magma reservoir beneath Kīlauea caldera, constraints from near-source V_p/V_s ratios, GRL, 42, 8349

Grandin et al. (2015) Rupture process of the $M_w = 7.9$ 2015 Gorkha earthquake (Nepal): Insights into Himalayan megathrust segmentation, GRL, 42, 8373
with Wang and Fialko (2015) Slip model of the 2015 M_w 7.8 Gorkha (Nepal) earthquake from inversions of ALOS-2 and GPS data, GRL, 42, 7452

Denolle et al. (2015) Dynamics of the 2015 M_w 7.8 Nepal earthquake, GRL 42, 7467

Zhan and Shearer (2015) Possible seasonality in large deep-focus earthquakes , GRL, 42, 7366

Gischig (2015) Rupture propagation behavior and the largest possible earthquake induced by fluid injection into deep reservoirs , GRL 42, 7420

Buehler and Shearer (2015) T phase observations in global seismogram stacks, GRL, 42, 6607

Huang and Beroza (2015) Temporal variation in the magnitude-frequency distribution during the Guy-Greenbrier earthquake sequence, GRL, 42, 6639

Macpherson and Ruppert(2015) Evidence of Wadati-Benioff zone triggering following the M_w 7.9 Little Sitkin, Alaska intermediate depth earthquake of 23 June 2014 , GRL, 42, 6269

Loveless and Meade (2016) Two decades of spatiotemporal variations in subduction zone coupling offshore Japan, EPSL, 436, 19-

Hung et al. (2016) • The potential for supershear earthquakes in damaged fault zones – theory and observations, EPSL , 433, 106-

Kei Ioki, Yuichiro Tanioka 2016 • Re-estimated fault model of the 17th century great earthquake off Hokkaido using tsunami deposit data, EPSL , 433, 133-138

Ye et al. (2016) • The isolated ~680 km deep 30 May 2015 M_w 7.9 Ogasawara (Bonin) Islands earthquake, EPSL, 433, 169-179

Huang et al. (2015) Accurate focal depth determination of oceanic earthquakes using water-column reverberation and some implications for the shrinking plate hypothesis, EPSL, 432, 133

Twardzik and Ji (2015) The M_w 7.9 2014 intraplate intermediate-depth Rat Islands earthquake and its relation to regional tectonics, EPSL, 431, 26

Lin et al. (2015) • Landslide seismic magnitude, EPSL, 429, Pages 122-127

Wei et al. (2015) • Dynamic triggering of creep events in the Salton Trough, Southern California by regional $M \geq 5.4$ earthquakes constrained by geodetic observations and numerical simulations , EPSL, 427, Pages 1-10

Craig and Heyburn (2015) • An enigmatic earthquake in the continental mantle lithosphere of stable North America, EPSL, 425, Pages 12-23

Trugman et al. (2015) Synchronous low frequency earthquakes and implications for deep San Andreas Fault slip, EPSL, 424, Pages 132-139

Tomita et al. (2015) First measurement of the displacement rate of the Pacific Plate near the Japan Trench after the 2011 Tohoku-Oki earthquake using GPS/acoustic technique, GRL, 42, 8391