

**Publications of the Hawaii Institute of Geophysics and Planetology
University of Hawaii
2019**

1. **Butler, R.** (2019). Composite earthquake source mechanism for a Mw 5.2–5.4 swarm at Kilauea Caldera 2018: Antipodal Source Constraint. *Seismological Research Letters*, doi: 10.1785/0220180288.
2. **Butler, R.** (2019). Seismic precursors to a 2017 Nuugaatsiaq, Greenland, earthquake-landslide-tsunami event. In press: *Natural Hazards*, doi:10.1007/s11069-019-03582-8.
3. **Chen, B.**, X. Lai, J. Li, J. Liu, J. Zhao, W. Bi, E. E. Alp, M. Y. Hu, and Y. Xiao. Experimental Constraints on the Sound Velocities of Cementite Fe₃C to Core Pressures. In press, *Earth Planet. Sci. Lett.*
4. Filiberto, J., McCubbin, F. M., and **Taylor, G. J.** (2019). Volatiles in Martian magmas and the interior: Inputs of volatiles into the crust and atmosphere. Chapter 3 in *Volatiles in the Martian Crust* (Justin Filiberto and Susanne P. Schwenzer, editors), p. 13-34. Elsevier.
5. **Herrero-Bervera, E.** and L. Jovane. On the paleomagnetic and rock magnetic constraints regarding the age of IODP 325 Hole M0058A, in “Magnetic methods and the timing of geological processes”, *Special Book, Geol. Soc. London*, in press.
6. **Hey, R.N.** Propagating Rifts and Microplates, in *Encyclopedia of Ocean Sciences*, Third Edition, eds. J. K. Cochran, H. Bokuniewicz, and P. Yager, Academic Press, London, Book ISBN: 9780128130810, in press.
7. **Ishii H.A.** (2019). Comparison of GEMS in interplanetary dust particles and GEMS-like objects in a Stardust impact track in aerogel. *Meteoritics and Planetary Science*, 54(1), 202 - 219.
8. Li, J., **Chen, B.**, Mookherjee, M., Morard, G. (2019). Carbon versus other light elements in the core, In B. Orcutt, I. Daniel, R. Dasgupta: *Whole Earth Carbon: Past to Present*, Cambridge University Press, in press
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10. **Trang, D.**, **Lucey, P. G.** (2019). Improved space weathering maps of the lunar surface through radiative transfer modeling of Kaguya multiband data. *Icarus* 321, 307 – 323.
11. Zhu, F., Li, J., Liu, J., Lai, X., **Chen, B.**, Meng, Y. (2019). Kinetic control on the depth distribution of superdeep diamonds. *Geophys. Res. Ltr.*, in press. <https://doi.org/10.1029/2018GL080740>
12. Zinin, P. V., Alexey A. Bykov, Alexander S. Machikhin, Ivan A. Troyan, Kamil M. Bulatov, Yulya V. Mantrova, Vladislav I. Batshev, Maxim I. Gaponov, Igor B. Kutuza, Sergey V. Rashchenko, Vitali B. Prakapenka and **Shiv K. Sharma** (2019). Measurement of the temperature distribution on the surface of the laser heated specimen in a diamond anvil cell system by the tandem imaging acousto-optical filter, *High Press. Res.*, doi:10.1080/08957959.2018.1564748. HIGP # 2366, SOEST Pub. # 10531.