

Recent Earth Science Graduate Student Publications

2024

Anderson, O.E., Jackson, M.G., Pamukçu, A.S., Rose-Koga, E.F., Le Roux, V., Klein, F., Koga, K.T., Gaetani, G.A., and Price, A.A. (2024). Extensive H₂O degassing in deeply erupted submarine glasses inferred from Samoan melt inclusions: The EM2 mantle source is damp, not dry. *Chemical Geology*, 651, 121979. <https://doi.org/10.1016/j.chemgeo.2024.121979>

Apen, F.E., Rudnick, R.L., Flowers, R.M., Gaynor, S.P., and Cottle, J.M. (2024) Metasomatism of the Wyoming craton lower crust during the Laramide orogeny: Extending the record of lithosphere hydration in western North America, *Earth and Planetary Science Letters* 641, 118832, <https://doi.org/10.1016/j.epsl.2024.118832>.

Apen, F.E., Gaynor, S.P., Schoene, B., and Cottle, J.M., 2024. Evaluating reference materials and common-Pb corrections for high-resolution apatite U-Pb petrochronology. *Chemical Geology*.

Baudry, A., Singer, B. S., Jicha, B., Jilly-Rehak, C. E., Vazquez, J. A., & Keller, C. B. (2024). A Bayesian age from dispersed plagioclase and zircon dates in the Los Chocoyos ash, Central America. *Earth and Planetary Science Letters*, 643, 118826. <https://doi.org/10.1016/j.epsl.2024.118826>

Bowman, Christen L., **Devin S. Rand**, L. E. Lisiecki, and Samantha C. Bova (2024), An 800 kyr planktonic $\delta^{18}\text{O}$ stack for the Western Pacific Warm Pool, *Earth Syst. Sci. Data*, 16, 701–713, <https://doi.org/10.5194/essd-16-701-2024>.

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Golos, E. M., **Brunsvik, B.**, Eilon, Z., Fischer, K. M., Byrnes, J., and Gaherty, J. (2024) A New View of Shear Wavespeed and the Lithosphere-Asthenosphere Boundary in the Southwestern United States, *Journal of Geophysical Research: Solid Earth* 129(8), <https://doi.org/10.1029/2024JB029220>.

Konrad, K., A. Balbas, V. Finlayson, M.G. Jackson, J. Konter, A.A.P. Koppers, **A. Price**, B. Steinberger (2024). Four Distinct Pulses of Volcanism Built the Melanesian Border Plateau: Implications for Oceanic Mid-plate Superstructure Formation. *Earth Planet. Sci. Lett.* 626, 118549. <https://doi.org/10.1016/j.epsl.2023.118549>

Konrad, K., M.G. Jackson, B. Steinberger, A. Koppers, A. Balbas, V. Finlayson, J. Konter, **A. Price** (2024). Toroidal Flow Around the Tonga Slab Moved the Samoan Plume During the Pliocene. *Geology*. <https://doi.org/10.1130/G51588.1>

Maher, S.P., P.B. Dawson, A.J. Hotovec-Ellis, W.A. Thelen, and R.S. Matoza (2024), Automated detection of volcanic seismicity using network covariance and image processing, *Seismol. Res. Lett.*, 95, 2580–2594, doi:10.1785/0220240014

Mendo-Pérez, G., A. Arciniega-Ceballos, R.S. Matoza, A. Rosado-Fuentes, **R.W. Sanderson, M.R. Claypool** (2024), Seismo-acoustic wavefield at Popocatepetl volcano, Mexico captured by a temporary broadband network from 2021 to 2022, *Seismol. Res. Lett.*, 95, 2689–2706, doi:10.1785/0220240199

Ortiz, H.D., R.S. Matoza, B. Bernard, **R. De Negri**, and M.C. Ruiz (2024), Seismo-acoustic characterization of the 2018 Sierra Negra caldera resurgence and fissure eruption in the Galápagos Islands, *J. Geophys. Res. Solid Earth*, accepted

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Ringwood, M.F., Rudnick, R.L., and Kylander-Clark, A.R.C. (2024) Metasediments from the lower crust reveal the history of the Picuris orogeny, southwest USA. *Geological Society of America Bulletin* 136: 547-556, <https://doi.org/10.1130/B36836.1>

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