



## Anna Ruefer

Ph.D. Student in Geological Sciences, admitted Autumn 2021

 Curriculum Vitae available Online

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### Research & Scholarship

#### LAB AFFILIATIONS

- Ayla Pamukcu (9/1/2021)

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#### Publications

#### PUBLICATIONS

- **In one step: Insights into shallow differentiation from basalt to rhyolite at Cordoacaulle from rhyolite-MELTS simulations** *JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH*  
Ruefer, A. C., Kelly, L. J., Gualda, G. A. R., Carrillo, E. L., Hickernell, S., Ward, S., Winslow, H., Ruprecht, P.  
2025; 462
- **Implications of Multiple Disequilibrium Textures in Quartz-Hosted Embayments** *FRONTIERS IN EARTH SCIENCE*  
Ruefer, A. C., Befus, K. S., Thompson, J. O., Andrews, B. J.  
2021; 9
- **Deciphering Clues Regarding Magma Composition Encoded in Quartz-Hosted Embayments and Melt Inclusions Through Direct Numerical Simulations** *JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH*  
Wei, Z., Ruefer, A. C., Pamukcu, A. S., Suckale, J.  
2024; 129 (4)
- **Quartz-hosted inclusions and embayments reveal storage, fluxing, and ascent of the Mesa Falls Tuff, Yellowstone** *EARTH AND PLANETARY SCIENCE LETTERS*  
Befus, K. S., Ruefer, A. C., Allison, C. M., Thompson, J. O.  
2023; 601