

# Stanford

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### Publications

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#### PUBLICATIONS

- **The source of sulfate in brachiopod calcite: Insights from mu-XRF imaging and XANES spectroscopy** *CHEMICAL GEOLOGY*

Richardson, J. A., Newville, M., Lanzirotti, A., Webb, S. M., Rose, C., Catalano, J. G., Fike, D. A.  
2019; 529

- **Depositional and diagenetic constraints on the abundance and spatial variability of carbonate-associated sulfate** *CHEMICAL GEOLOGY*

Richardson, J. A., Newville, M., Lanzirotti, A., Webb, S. M., Rose, C., Catalano, J. G., Fike, D. A.  
2019; 523: 59–72

- **Insights into past ocean proxies from micron-scale mapping of sulfur species in carbonates** *GEOLOGY*

Rose, C., Webb, S. M., Newville, M., Lanzirotti, A., Richardson, J. A., Tosca, N. J., Catalano, J. G., Bradley, A. S., Fike, D. A.  
2019; 47 (9): 833–37