## Siderophile behaviors of nitrogen and carbon explain the silicate Earth composition

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Earth is generally considered to have been formed mainly from primitive chondrite-like building blocks. The differences in the elemental composition between chondrites and the bulk silicate Earth may provide information on the behaviors of elements during the accretion and differentiation stages of Earth. This study highlights the behaviors of the highly volatile elements, particularly nitrogen and carbon during the core formation, and by catastrophic impacts.

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