

## **Haojia Abby Ren**

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Dr. Haojia Abby Ren is an assistant professor in the Department of Geosciences at National Taiwan University in Taiwan. Dr. Ren received her PhD in Geosciences from Princeton University, U.S.. Upon receiving her PhD, she was awarded NOAA Climate and Global Change Postdoctoral Fellowship, and worked at Lamont-Doherty Earth Observatory, Columbia University. She was also awarded the Distinguished Postdoctoral Fellow at Academia Sinica, Taiwan, before she joined the faculty at National Taiwan University. Her research interests are focused on understanding the interaction between biology and the environmental conditions through the course of Earth history. In particular, she works on emerging disciplines and techniques to study the fluxes and cycles of biologically important elements, such as nitrogen and carbon, which can be then used to identify the biogeochemical processes and feedbacks that stabilizes the Earth system. She is currently working on developing planktonic foraminifera shell-bound nitrogen isotopes as a paleoceanographic tool to reconstruct past history of the marine nitrogen cycle. This work has resulted in a new method for measuring foraminifera-bound nitrogen isotopes, that is  $\geq 2$  orders of magnitude more sensitive than previous techniques. Dr. Ren has published her work in various high-impact international journals in her field, including 2 paper on Science and 2 paper on Nature since 2009.