

# Stanford

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## Aidi Zhang

Postdoctoral Scholar, Geophysics

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### Bio

#### BIO

I am interested in the fluid dynamics in geophysical and astrophysical systems. You can find more details on my website (<https://aidi-zhang.github.io/>)

#### STANFORD ADVISORS

- Da Yang, Postdoctoral Faculty Sponsor

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### Publications

#### PUBLICATIONS

- **Understanding the Evolution of Global Atmospheric Rivers With a Vapor Kinetic Energy Framework** *GEOPHYSICAL RESEARCH LETTERS*  
Zhang, A., Yang, D., Ong, H., Tan, Z.  
2026; 53 (7)
- **Stable three-dimensional vortex families consistent with Jovian observations including the Great Red Spot** *JOURNAL OF FLUID MECHANICS*  
Zhang, A., Marcus, P. S.  
2024; 984