

# CI ZHANG

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## EDUCATION

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<b>Columbia University</b> M.A. Climate and Society	New York, New York Oct. 2016
<b>China University of Geosciences</b> B.S. Geology	Wuhan, China Jun. 2015

## APPOINTMENTS

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<b>Research Assistant</b> Department of Earth System Science, Tsinghua University	Mar. 2018 - Present
<b>Research Intern</b> Lamont-Doherty Earth Observatory, Columbia University	Oct. 2015 - Jun. 2017
<b>Visiting Student in Research</b> Department of Geology and Geophysics, Yale University	Sep. 2014 - Feb. 2015

## MEMBERSHIPS

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**American Geophysical Union**

## HONORS AND AWARDS

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<b>Undergraduate Overseas Research Fellowship</b> \$3000, School of Earth Sciences, China University of Geosciences	Jun. 2014
<b>University Physics Competition Third Prize</b> China University of Geosciences	Mar. 2014

## SKILLS

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**Numerical models**  
MITgcm, WRF

**Data analytics**  
Python, NCL, MATLAB, MongoDB

**Graphic design**  
Illustrator, CorelDRAW

## CONFERENCE ABSTRACTS

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**Caspian Sea level fluctuations under varying climate change scenarios**  
AGU Fall Meeting, submitted, San Francisco, California, 2019

Zhang, C., Yao, Y., Yang, K., Lin, Y., Luo, Y.

**Regional climate modelling of the Central Asia: Consistencies and uncertainties of the driving GCM's bias correction**

ICRC-CORDEX, Poster Presentation, Beijing, China, 2019

Zhang, C., Yao, Y., Luo, Y.

**Global census of coherent Lagrangian vortices in a mesoscale-permitting ocean model**

Ocean Sciences Meeting, Portland, Oregon, 2018

Tarshish, N.E., Abernathey, R., Dufour, C., Frenger, I., Griffies, S.M., Zhang, C.

**A global atlas of coherent Lagrangian vortices from satellite altimetry**

Ocean Sciences Meeting, Portland, Oregon, 2018

Abernathey, R.P., Zhang, C., Tarshish, N.E.

## PEER-REVIEWED ARTICLES

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**Sensitivity of regional climate modelling to representative concentration pathways and physics parameterizations in the Central Asia**

*Climate Dynamics*, in preparation, 2019

Zhang, C., Yao, Y., Luo, Y.

**Detection of coherent vortices in the world ocean: Model configuration and structure recognition**

*Journal of Advances in Modeling Earth Systems*, to be submitted, 2019

Zhang, C., Abernathey, R., Tarshish, N.

**Identifying Lagrangian coherent vortices in a mesoscale eddy-permitting ocean model**

*Ocean Modelling*, 130, 15-28, 2018

Tarshish, N., Abernathey, R., Zhang, C., Dufour, C.O., Frenger, I., Griffies, S.M.

## BOOK CHAPTERS

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**Chapter Asia in *Climate Change 2021: Impacts, Adaptation and Vulnerability***

Contribution of Working Group II to the AR6 of the IPCC

Cambridge University Press, Cambridge, UK and New York, NY, 2021

Coordinating Lead Authors: Cheong T.S. et al.

Lead Authors: Abdul Halim, S. et al.

Contributing Authors: Zhang, C. et al. (expected)