

Jiang Zhu

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RESEARCH INTERESTS

Isotope-enabled transient simulation of last deglaciation, Abrupt climate change, Oceanic thermohaline circulation dynamics and modeling, Global climate change and global warming

EDUCATION

University of Wisconsin-Madison, Madison, WI, USA
Ph.D. student, Atmospheric and Oceanic Sciences Jun 2016 (expected)
Advisor: *Prof. Zhengyu Liu*

Peking University, Beijing, China
M.S. Atmospheric and Oceanic Sciences Jun 2011
Advisor: *Prof. Haijun Yang*

Peking University, Beijing, China
B.S. Atmospheric Sciences Jun 2008
Advisor: *Prof. Haijun Yang*

PUBLICATIONS

Zhu, J., Z. Liu, J. Zhang, and W. Liu (2014), AMOC response to global warming: dependence on the background climate and response timescale, *Climate Dynamics*, 1-20, doi:10.1007/s00382-014-2165-x.

Huang, B, **J. Zhu**, H. Yang (2014), Mechanisms of Atlantic Meridional Overturning Circulation (AMOC) Variability in a Coupled Ocean-Atmosphere GCM, *Adv. Atmos. Sci.*, 31(2), 241-251, doi:10.1007/s00376-013-3021-3.

Liu, Z., Carlson, A. E., He, F., Brady, E. C., Otto-Bliesner, B. L., Briegleb, B. P., Wehrenberg, M., Clark, P. U., Wu, S., Cheng, J., Zhang, J., Noone, D., **J. Zhu** (2012), Younger Dryas cooling and the Greenland climate response to CO₂, *Proceedings of the National Academy of Sciences*, 109(28), 11101-11104, doi: 10.1073/pnas.1202183109.

Zhu, J., H. Yang (2012), Response of the Atlantic thermohaline circulation to changes of atmospheric green house gases. *Acta Scientiarum Naturalium Universitatis Pekinensis*, 48(2), 231-238. (*in Chinese*)

Yang, H., **J. Zhu** (2011), Equilibrium thermal response timescale of global oceans.

Geophys. Res. Lett., 38(14), L14711, doi:10.1029/2011gl048076.

Qian, W., **J. Zhu**, Y. Wang, J. Fu (2009), Regional relationship between the Jiang-Huai Meiyu and the equatorial surface-subsurface temperature anomalies. Chinese Science Bulletin, 54(1), 113-119, doi:10.1007/s11434-008-0410-6.

PRESENTATIONS **Zhu, J.**, Z. Liu, X. Zhang, I. Eisenman, W. Liu (2014), Linear Weakening of the AMOC in response to Receding Glacial Ice Sheets in CCSM3, 19th Annual CESM Workshop, Breckenridge, CO, Jun. 2014.

AWARD Merit student, Peking University Dec. 2009
Outstanding Freshman Scholarship, Peking University Sep. 2004

WORKSHOP 19th Annual CESM Workshop, Breckenridge, CO Jun. 2014
COLLOQUIA Synthesis of Transient Climate Evolution of the last 21-kyr, Providence, RI Nov. 2012
Community Earth System Modeling Tutorial, Boulder, CO Aug. 2012
Thermodynamics of the Oceanic Environment, Xiamen, China Sep. 2009
Beijing International Summer School on Climate and Environment, Beijing, China Aug. 2009

TEACHING Teaching Assistant of *Introduction of Atmospheric Science*, School of Physics, Peking University Sep. 2009 - Jan. 2010
EXPERIENCE Teaching Assistant of *Descriptive Physical Oceanography*, School of Physics, Peking University Sep. 2008 - Jan. 2009

COMPUTER Operating systems: Liunx, Windows, Mac OS.
SKILLS Programming languages: C, Fortran, Matlab, Phython, Ferret, NCAR Command Language, NCO, HTML.
Document preparation: ~~La~~TeX, Microsoft Office Suite.

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