

JING ZHOU

Department of Geological Sciences, University of Michigan
2534 C.C. Little, 1100 North University Ave
Ann Arbor, MI 48105-1005, USA
Tel: 734-647-5636 Email: zotsing@umich.edu

Education

University of Michigan, Ann Arbor	2006 - present
Ph.D. candidate, Geological Sciences	
University of Science & Technology of China	2002 - 2006
B.S., Environmental Science	

Research Interests

My research focuses on the climatic reasons and consequences of the Cretaceous' (65-144 Ma) extreme warmth:

- 1) What caused this warm climate and could transient high-latitude glaciations occur under such warm conditions?
- 2) How does the oceanic and atmospheric circulation respond to this warm climate?
- 3) How does the global distribution of stable isotopes change in the warm Cretaceous climate and what significance does this have for the interpretation of climate proxies?

Teaching Experience

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|-----------------------------------|-----------------------|
| ➤ GSI - Earth System Modeling | Sep, 2008 - Dec, 2008 |
| ➤ GSI - Introductory Oceanography | Jan, 2008 - Apr, 2008 |

Awards

Barbour Scholarship	2009	(Michigan)
Turner Award	2008	(Michigan)
Outstanding Student Scholarship (Grade 3)	2005	(China)
Zhang Zongzhi Sci-Tech Scholarship	2004	(China)
National Scholarship (Grade 1)	2003	(China)

Journal Publications & Conference Abstracts

J Zhou, C. Poulsen, D. Pollard and T. White (2008), Influence of geography and carbon dioxide on oceanic circulation and seawater $\delta^{18}\text{O}$, AGU Fall Meeting, abstract pp32A-02.

J Zhou, C. Poulsen, D. Pollard and T. White (2008), Zhou, J., C. J. Poulsen, D. Pollard and T. S. White (2008), Simulation of modern and middle Cretaceous marine $\delta^{18}\text{O}$ with an ocean-atmosphere general circulation model, *Paleoceanography*, 23, PA3223, doi:10.1029/2008PA001596.

J Zhou, C. Poulsen, D. Pollard and T. White (2007), Simulation of modern and Cretaceous $\delta^{18}\text{O}$ with a global ocean-atmosphere general circulation model, AGU Fall meeting, abstract pp03-10539.

J. Zhou, D. Yang, Z. Peng, S. Song, W. Zhou, J. He, Y. Liu and G. Liu (2007), The concentrations of dissolved heavy metals in Xisha waters and their influential

factors, Journal of University of Science and Technology of China, 37, 1036-1042 (in Chinese) .

Y. Liu, Z. Peng, **J. Zhou**, J. He, Y. Jiang and G.. Liu (2006), Advances in high resolution environmental records in tropical coral and global change, Advances in Earth Science, 21, 383-393 (in Chinese).