

Curriculum Vitae

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EDUCATION

PhD in Geophysics and Geology, Institute of Geology, CAS, 1989
MSc in Geophysics, Institute of Geophysics, CAS, 1984
BSc in Physics, Shanxi University, China, 1978

ACADEMIC EXPERIENCE

2004 - 2017, Director, IGG, CAS
2004 - 2017, Director, State Key Laboratory of Lithospheric Evolution, China
2003 - present, Academician of CAS
1999 - present, Professor of Geophysics, IGG, CAS
1995 - present, Director, Paleomagnetism and Geochronology Laboratory, IGG, CAS
1993 - 1999, Professor of Geophysics, Institute of Geophysics, CAS
1989 - 1991, Postdoctoral Fellow, Institute of Geophysics, CAS
February 2004, Visiting Professor, Geomagnetism Laboratory, Liverpool University, UK
December 2003, Visiting Professor, National Chengkung University, Taiwan, China
1996 - 1997, Visiting Fellow, UCSC, California, USA
1992 - 1993, Visiting Fellow, CNRS-CEA, Paris, France

RESEARCH INTERESTS

- *Paleointensity and Geodynamo*: Experimentally documenting paleointensity variations over the geological history, in particular, the Cretaceous Normal Superchron (CNS) from volcanic rocks.
- *Geomagnetic Polarity Transitions and Geodynamo*: Experimentally retrieving the Matuyama-Brunhes polarity transition and other transitions by high-resolution paleomagnetic investigations on sequences of the Chinese loess and lake sediments.

- *Magnetostratigraphic Dating*: Magnetically dating the Paleolithic sites throughout China, especially those in the Nihewan Basin and Sanmen Lake Basin in northern China and the Yuanmou Basin in southern China.
- *Craton Evolution* : Exploring destruction of the North China Craton and its resulting effects on the evolution of terrestrial ecosystems and on the metallization.
- *Paleoclimatic Changes*: Studying the environmagnetics of the Chinese loess sequences, which are unique terrestrial archives for constructing long-term variations in paleoclimate over the past 2.6 million years.
- *Instrument Development*: Setting up a comprehensive and state-of-the-art laboratory incorporated paleomagnetism, rock magnetism and geochronology ($^{40}\text{Ar}/^{39}\text{Ar}$ dating).

ACADEMIC HONORS AND AWARDS

- Second-class National Natural Sciences Award, 2017
- Outstanding Science and Technology Achievement Prize of the CAS, 2014
- The France-China Prize of Academy of Sciences, 2014
- Fellow of the American Geophysical Union, 2011
- Honorary doctorate from the University of Orleans, France, 2006
- Second-class National Natural Sciences Award, 2006
- TWAS Prize in Earth Sciences, 2005
- Scientific and Technological Progress Prize, HLHL Foundation (Hong Kong), 2004
- Academician of Chinese Academy of Sciences, 2003
- Chief Scientist of "Fund for Innovative Research Groups", National Natural Science Foundation of China (NSFC), 2002
- Chief Scientist of "Outstanding Research Team of the 100 Talent Program", CAS , 1997
- First-class Natural Sciences Prize, CAS, 1996
- National Young Scientist Award (Earth Sciences), Chinese goverment, 1996
- National Science Fund for Distinguished Young Scholars, NSFC, 1994
- 100 Talent Programme, CAS, 1994
- Young Scientist Award (first-class), CAS, 1993

Current GRANT FUNDING

- Craton destruction and terrestrial life evolution, 2017 - 2021
- Geomagnetic field and dynamics of the Earth's outer core, NSFC, 2003 - 2011
- Geodynamics of the Earth, CAS, 2004 - 2006

OTHER PROFESSIONAL SERVICE

- **Professional**

Deputy Director, IGG, CAS, 2003 - 2007

Secretary-General, Chinese Geophysical Society, 1998 - 2008

Member, the Degree Committee of Chinese State Department, 1997 - 2008

Deputy Editor in Chief, *Chinese Journal of Geophysics*, 2004 - present

Deputy Editor in Chief, *Progress in Geophysics*, 1998 - present

Editorial member, *Science in China : Earth Sciences*, 2003 - present

Chairman of the TWAS Prizes selection committees, 2008 - 2011

Editorial member, *National Science Review*, 2014 - present

- **Reviewer for Research Proposals**

National Natural Science Foundation of China

Chinese Academy of Sciences