CV-APPENDIX

HUIMING BAO PUBLICATIONS BY TOPICS (* Students or postdocs)

1. INVITED REVIEW PAPERS
2. EXPERIMENTAL AND THEORETICAL STUDIES ON STABLE ISOTOPE EFFECTS
3. EARLY EARTH, ARCHEAN, AND THE GREAT OXIDATION EVENT
4. “SNOWBALL” EARTH
5. ATMOSPHERIC CHEMISTRY AND DEPOSITIONS
6. HYPERARID ENVIRONMENTS AND ANTARCTICA
7. VOLCANISM AND SO₂ OXIDATION
8. ENVIRONMENTAL SCIENCES
9. PALEOBIOLOGY & PLAEOCLIMATE STUDIES
10. METEORITES & PLANETARY SCIENCES
11. MATERIAL SCIENCES
12. ANALYTICAL CHEMISTRY
1. INVITED REVIEW PAPERS


2. EXPERIMENTAL AND THEORETICAL STUDIES ON STABLE ISOTOPE EFFECTS


Zhu, Dan, **Bao, Huiming**, Liu, Yun, 2015, Non-traditional stable isotope behaviors in immiscible silica-melts in a mafic magma chamber, *Scientific Reports*. 5:17561 | DOI: 10.1038/srep17561.


3. *EARLY EARTH, ARCHEAN, AND THE GREAT OXIDATION EVENT*


4. “SNOWBALL” EARTH


Zhou, Chuanming, Bao, Huiming, Peng, Yongbo* and Yuan, Xunlai, 2010, Timing the deposition of $^{17}$O-depleted barite at the aftermath of Nantuo glacial meltdown in South China. *Geology*, 38 (10), 903-906.


5. ATMOSPHERIC CHEMISTRY AND DEPOSITIONS


6. HYPERARID ENVIRONMENTS AND ANTARCTICA


Sun, Tao*, Richard A. Socki, David L. Bish, Ralph P. Harvey, Huiming Bao, Paul Niles, Ricardo Cavicchioli, Eric Tonui, Lost cold deserts in the Antarctica interior inferred from unusual sulfate deposits and multiple isotope signatures. *Nature Communications*, June 29 (2015), DOI: 10.1038/ncomms8579.


7. VOLCANIC SO₂ OXIDATION


Loope, D. B., Mason, J. A., Bao, HM., et al., 2005, Deformation structures and an alteration zone linked to deposition of volcanogenic sulfate in an ancient playa (Oligocene of Nebraska, USA). Sedimentology, 52, 123-139.


8. ENVIRONMENTAL SCIENCES

Niu, Lili; Xu, Chao; Zhu, Siyu; Bao, Huiming and 6 others, 2016, Enantiomer signature and carbon isotope evidence for the migration and transformation of DDTs in arable soils across China. Scientific Reports, 6, 38475; doi: 10.1038/srep38475.


9. PALEOBIOLOGY & PLAEOLIMATE STUDIES


10. METERORITES & PLANETARY SCIENCES


11. MATERIAL SCIENCES


12. ANALYTICAL CHEMISTRY

