

SHAOJUN ZHONG

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Marine Geochemistry
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Education

PostDoc.	1994	Université du Québec, Quebec, Canada
Ph.D.	1993	McGill University, Montreal, Canada
M.Sc.	1988	McGill University, Montreal, Canada
B.Sc.	1984	Peking University, Beijing, China

Positions Held

2001 - Senior Research Scientist
Institute of Oceanology
The Chinese Academy of Sciences
1995-2000 Assistant Professor
Department of Geology & Geological Engineering
Université Laval, Quebec, Canada

Current Related Research Projects

- (1) Trace element (e.g., Cd, As, Cu, Zn, REE, Ba, etc.) partitioning between calcite/aragonite and seawater solutions under various controlled conditions and their implication as paleoceanographic and paleoclimatic proxies/tracers
- (2) Distribution of trace elements in the ocean water column
- (3) Biogeochemical cycles of sulfur and toxic metals in coastal marine sediments

Related Publication

Zhong S. and Qu C., Cadmium Partitioning between Abiogenic Carbonates and Seawater Solutions during Carbonate Precipitation and Its Paleooceanographic Implication (to be submitted to GCA)
Zhong, S. and Liu, G., Determination of trace elements in seawater using chelation ion chromatography and ICP-MS (to be submitted to Marine Chemistry).
Zhong S. and Mucci A. (1995) Partitioning of rare earth elements (REEs) between calcite and seawater solutions at 25°C and 1 atm., and high dissolved REE concentrations. *Geochimica et Cosmochimica Acta*, Volume 59: pp.443-453.
Zhong S. and Mucci A. (1993) Calcite precipitation in seawater using a constant addition technique: a new overall reaction kinetic expression. *Geochimica et Cosmochimica Acta* Volume 57: pp.1409-1417.
Zhong S. and Mucci A. (1989) Calcite and aragonite precipitation from seawater solutions of various salinities: Precipitation rate and overgrowth compositions. *Chemical Geology*, Volume 78: pp.283-299.