

Curriculum Vitae

First name: Xiaolong

Last name: Yuan

Nationality: Chinese

Date of Birth: November 9th, 1984

Place of birth: Gansu, P.R. China

Gender: Male

Marital Status: Married, with one child

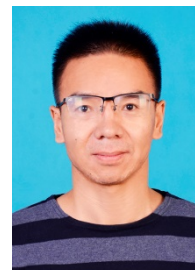
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Academic Title: Research assistant

Current Address: Qinghai Institute of Salt Lakes, Chinese Academy of Sciences,
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Education:

2016-2022 Hohai University, major: Hydraulics and River Dynamics, Ph.D. student

2008-2011 University of Chinese Academy of Sciences
Received M.A. in geochemistry in 2011

2004-2008 College of Earth and Environmental Sciences, Lanzhou University
Received B.A. in hydrology and water resources engineering in 2008

Work Experience:

2011–present Key Laboratory of Geology and Environment of Salt Lakes,
Qinghai Institute of Salt Lakes, Chinese Academy of Sciences.

Expertise:

Hydrogeology

Fluid dynamics

Transport in Porous Media

Salt lake resources development

Surface-groundwater interaction

Publications:

- [1] **Yuan Xiaolong***, Sheng Jinchang, Li Binkai, Du Yongsheng, Zhang Xiying, Gao Donglin. Influence of shallow reservoir upon component of brine in Kunteyi playa. *Hydrogeology & Engineering Geology*, 2018(in Chinese).
- [2] **Yuan Xiaolong**, Zhang Xiying*, Sheng Jinchang, Gao Donglin, Li Binkai, Zhang Xing. Restriction of Temperature on the Chemical Composition of Brine and Permeability of Aquifer in the Saline Lake. *Acta Geologica Sinica*, 2018 (in Chinese).
- [3] **Xiaolong Yuan**, Fanwei Meng, Xiying Zhang*, et al. Ore-Forming Fluid Evolution of Shallow Polyhalite Deposits in the Kunteyi Playa in the North Qaidam Basin. *Frontiers in Earth Science*, 2021.
- [4] Mengling Li, **Xiaolong Yuan***, Xiying Zhang, et al. Preliminary Study on the Hydrochemical Characteristics of Ground Brines During Replenishing Dissolved Minerals on the North Shore of Dabson Lake. *Journal of Salt Lake Research*. 2022 (in Chinese).
- [5] Guang Han, **Xiaolong Yuan***, Jibin Han, et al. Comparative Analysis on the Characteristic Changes of the Brine Reservoir System before and after Exploration of the Qarhan Salt Lake. *Acta Geoscientica Sinica*. 2022 (in Chinese).

Research Projects Currently Presided Over:

- [1] Study on the process of percolation and dissolution of the brine reservoir in modern Saline Lake and its response mechanism to the control factors (2019.01-2021.01). Funded by The National Natural Science Foundation of China (NSFC).
- [2] Model of flood supplement and green development of brine in salt lake regions (2020.12-2023.12). Funded by Bureau of Major R&D Programs, Chinese Academy of Sciences.