

## SHORT BIO

After four years study in resources and environmental engineering college, Hefei University of Technology School (HFUT) since 2011, I earned my bachelor degree in geology.

Since graduation in 2015, Professor Guo Guangjun offered me a PhD position in the Institute of Geology and Geophysics, Chinese Academy of Sciences (IGGCAS). During my Ph.D. period, I mainly investigated the microscopic occurrence and flow of shale gas with molecular dynamics simulation funded by pilot project (XDB10020301).

From 2021 to present, I was offered a postdoc position in the State Key Laboratory of Lunar and Planetary Sciences at Macau University of Science and Technology (MUST). Under the guidance of Professor Ni Dongdong, my main research field is the stability of planetary hydrates.

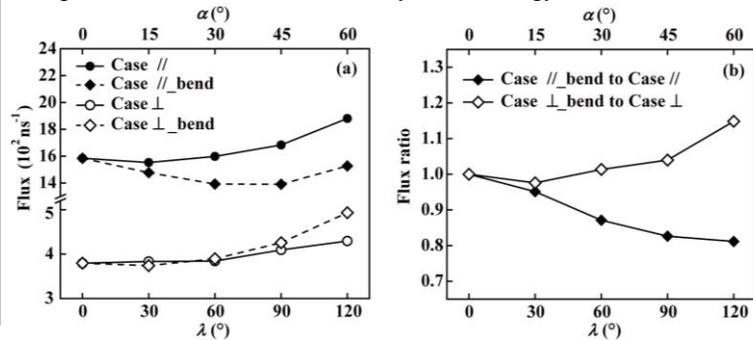
## Postdoc.

## Mingmin Zhang



PhD: GEOLOGY (shale gas, hydrate) – Institute of Geology and Geophysics, Chinese Academy of Sciences (IGGCAS)

Degree: GEOLOGY – HeFei University of Technology (HFUT)



Zhang et al., 2020, Fuel

## KEY PUBLICATIONS

**Mingmin Zhang, et al. 2020.**

*Effects of italicized angle and turning angle on shale gas nanoflows in non-straight nanopores: A nonequilibrium molecular dynamics study. Fuel*

**Kai Gao, Guang-Jun Guo\*, Mingmin Zhang, et al. 2021.**

*Nanopore Surfaces Control the Shale Gas Adsorption via Roughness and Layer-Accumulated Adsorption Potential: A Molecular Dynamics Study. Energy & Fuels*

## PROFESSIONAL EXPERIENCE

**Ongoing – 2016 – Macau University of Science and Technology, Macao (China) – Postdoc.**

**2015 – 2020 – Institute of Geology and Geophysics, Chinese Academy of Sciences(IGGCAS), Beijing– PhD**

**2011 – 2015 – HeFei University of Technology in HeFei(HFUT), HeFei– Bachelor**

## GRANTS

**XDB10020301 – 2014-2018 – Participant**

Microscopic occurrence state and microscopic flow of shale gas