

## Wang Bicheng

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Gender: Male

Date of birth: 10/21/1997

Citizenship: People's Republic of China



## Educational Background

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### **Bachelor of Engineering** (09/2015 - 06/2019)

- Major: Nuclear Science and Technology
- Institute: School of Nuclear Science and Technology, Harbin Engineering University

### **Master of Engineering** (09/2019 - 06/2022)

- Major: Nuclear Energy and Nuclear Technology Engineering
- Institute: School of Nuclear Science and Technology, Harbin Engineering University
- Master topic: Study on Flow and Heat Transfer Characteristics of Supercritical Carbon Dioxide in Helical Cruciform Fuel Assembly
- Supervisor: Assoc Prof. Cong Tenglong

## **Doctor of Engineering (10/2022 - present)**

- Major: Thermophysics
  - Institute: School of Mechanical Engineering, Kyushu University
  - Doctor topic: Rapid Generation Mechanism of Superheated and Saturated Steam Using a Water-containing Porous Material
  - Supervisor: Prof. Shoji Mori
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## **Research Interests:**

Porous material, Thermohydraulics, Computational Fluid Dynamics

## **Papers published:**

Cong, T., **Wang, B.**, & Gu, H. (2022). Numerical analysis on heat transfer enhancement of sCO<sub>2</sub> in the tube with twisted tape. *Nuclear Engineering and Design*, 397, 111940.

Cong, T., Zhang, R., **Wang, B.**, Xiao, Y., & Gu, H. (2022). Single-phase flow in helical cruciform fuel assembly with conjugate heat transfer. *Progress in Nuclear Energy*, 147, 104199.