



Wang Tianxu

Date of birth: 15/03/1998 | **Nationality:** Chinese | **Gender:** Male | **Phone number:**

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Address: Institute of Solid State Physics, Hefei Institutes of Physical Science, CAS, 230001, Hefei, China (Work)

About me:

I'm a joint master student of Anhui University and HFIPS, CAS. I'm majored in Material science and engineering.

My research direction is Ultra high temperature ceramic and powder synthesis.

I've published an article (IF=7.39) and a patent.

EDUCATION AND TRAINING

01/09/2020 – 01/07/2023 Hefei, China

MASTER Anhui University and HFIPS, CAS

1. Organic precursor preparation by co-precipitation
2. Ceramic powder synthesis by high temperature furnace
3. Characterization using XRD, SEM, TEM, FTIR, NMR, XPS, TGA-DSC
4. Theory of co-precipitation and carbothermal reduction

Address Hefei, China | **Website** <https://www.hf.cas.cn/> | **Field of study** Materials (glass, paper, plastic and wood) |

Final grade 3.0 | **Thesis** Controlled synthesis of hafnium boride ultra-high temperature ceramic powders

01/09/2016 – 01/07/2020 Xi'an, China

BACHELOR Xi'an University of Posts and Telecommunications

Address Xi'an, China | **Website** <http://www.xyou.edu.cn/>

WORK EXPERIENCE

25/06/2022 – 25/08/2022 Hefei, China

NEW PRODUCTION INTRODUCTION ENGINEER CORNING INCORPORATION

Supporting the experiments of new production; Getting involved in the system of Corning

Business or Sector Manufacturing | **Department** Division engineering asia | **Address** 230001, Hefei, China |

Email WangT25@corning.com | **Website** <https://www.corning.com/>

ADDITIONAL INFORMATION

PUBLICATIONS

Dispersant-assisted preparation of ultra-fine HfB₂ powder

Tianxu Wang, Zhen Wang, Chenguang Hu, Xinyang Li*, Zhulin Huang*, Xiaoye Hu*, Yue Li
Dispersant-assisted preparation of ultra-fine HfB₂ powder. **Applied surface science** 606 (2022) 154995

Sugar-derived synthesis of hollow spherical structure HfB₂ with excellent electromagnetic absorption performance (To submit)

HONOURS AND AWARDS

01/10/2022

2022 National scholarship for graduate student – The Ministry of Education of the People's Republic of China

15/11/2022

2022 First-class academic scholarship – Anhui University