



Registration Form for WFC Youth Working Committee

Personal Info.

Name: Wenxin Hu

Title: Research on the Effect of Rare Earth Elements on the
Microstructure Refinement and Performance Control of Aluminum
Alloys

Affiliation: Baotou Research Institute of Rare Earths



Research Interest

- (1). Research on grain refinement of rare earth aluminum /magnesium alloy materials;
- (2). Research on design, development and performance control of rare earth aluminum /magnesium alloy materials;
- (3). Research on the effect of rare earth elements on the casting/deformation process of aluminum /magnesium alloy .

Main Achievements (<200 words)

Since 2012, as the project leader , I have completed more than 30 national and provincial level science and technology projects, including the national "863 Plan" project, the national Key R&D Plan project, and the Inner mongolia science and technology project. I have published more than 40 papers, obtained 5 invention patent authorizations, and 1 utility model. Science and technology work has won the Third Prize for science and technology progress in Inner mongolia, the second prize for science and technology progress in Baotou city, and the second prize for science and technology in China rare earth society. I have been awarded the outstanding science and Technology Worker of Inner mongoliain 2017 and the outstanding young Innovative Talent of Inner Mongolia Autonomous Region Grassland in 2020.