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**【在研科研项目】**

1. 国家自然科学基金，具有成分梯度界面层的铜/金刚石复合材料的导热性能研究（51271017），2013 年-2016 年
2. 国际科技合作项目，新一代高导热复合材料界面设计与制备技术合作研究（2014DFA51610），2014 年-2017 年
3. 国家 863 计划，AP1000 压水堆主管道材料与成形关键技术（2012AA03A507），2012 年-2015 年

**【代表性学术论文】**

1. Jinshan He, Xitao Wang, Yang Zhang, Yameng Zhao, and Hailong Zhang. Thermal conductivity of Cu-Zr/diamond composites produced by high temperature-high pressure method. Composites Part B, 2015, 68: 22-26

2. Hailong Zhang, Jianhua Wu, Yang Zhang, Jianwei Li, Xitao Wang, and Yanhui Sun. Mechanical properties of diamond/Al composites with Ti-coated diamond particles produced by gas-assisted pressure infiltration. Mater. Sci. Eng. A, 2015, 626: 362-368

3. Lili Chen, Xitao Wang, Weijia Gong, and Hailong Zhang. Effect of yttrium addition on microstructure and orientation of hydride precipitation in Zr-1Nb alloy. Int. J. Hydrogen Energy, 2014, 39: 21116-21126

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**【Publications】**


1. Jinshan He, Xitao Wang, Yang Zhang, Yameng Zhao, and Hailong Zhang. Thermal conductivity of Cu-Zr/diamond composites produced by high temperature-high pressure method. Composites Part B, 2015, 68: 22-26

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3. Lili Chen, Xitao Wang, Weijia Gong, and Hailong Zhang. Effect of yttrium addition on microstructure and orientation of hydride precipitation in Zr-1Nb alloy. Int. J. Hydrogen Energy, 2014, 39: 21116-21126