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江鸿翔, 中国科学院赣江创新研究院硕士生导师。辽宁省颗粒学会理事、中国空间科学学会微重力科学与应用研究专业委员会青年委员、《特种铸造及有色合金》青年编委。主要从事稀土铝合金研发与应用以及合金凝固组织控制研究。主持了国家自然科学基金青年基金项目, 中科院空间先导专项课题, 中科院STS项目等多项国家、省部级项目和企业开发课题; 作为骨干参与了我国载人空间站项目和国家自然科学基金重点项目等的研究工作。以第一或通讯作者身份在Acta Materialia、Materials & Design、Scripta Materialia和NPJ Microgravity等期刊上发表论文20余篇(论文总数50余篇)。申请发明专利30余项, 获授权发明专利20余项。

研究方向:

1. 稀土铝合金
2. 合金凝固过程及组织控制

代表论著:

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 - 12) Hongxiang Jiang, Jiuzhou Zhao*, Cuiping Wang, et al. Effect of electric current pulses on solidification of immiscible alloys, *Materials Letters*, 2014, 132: 66-69.
 - 13) Hongxiang Jiang, Jiuzhou Zhao*. Solidification of immiscible alloys under the effect of electric and magnetic fields, *Acta Metallurgica Sinica (English Letters)*, 2018, 31: 1240-1248.
 - 14) Yan Song#, Hongxiang Jiang#, Lili Zhang, et al. A model describing solidification microstructure evolution in an inoculated aluminum alloys, *Acta Metallurgica Sinica (English Letters)*, doi: 10.1007/s40195-020-01154-5.
 - 15) Hongxiang Jiang, Jiuzhou Zhao*. Continuous solidification of immiscible alloys and microstructure control, *Microgravity-Science and Technology*, 2018, 30: 747-760.
- Hongxiang Jiang, Jiuzhou Zhao*. Effect mechanism of a direct current on the solidification of immiscible alloys, *Chinese Physics Letters*, 2012, 29(8): 088104.

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