



师资队伍

教师名录

教授兼博士生导师
教授、研究员
副教授、副研究员
讲师、助理研究员
实验中心教职工
学院机关教职工

人才招聘

审核评估

人才引进

就业信息

杰出校友

副教授、副研究

当前位置是: [首页](#) [师资队伍](#) [教师名录](#) [副教授、副研究员](#)

付俊伟

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教师简介



姓名: 付俊伟
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付俊伟, 男, 博士。
2015/2-至今 人才引进至合肥工业大学, 材料与科学工程学院, 副教授
2013/9-2015/2, 人才引进至北京科技大学, 冶金与生态工程学院, 副教授
2009/5-2013/9, 中国科学院金属研究所, 助理研究员
2005/9-2009/3, 哈尔滨工业大学, 材料与科学工程学院, 工学博士
2003/9-2005/7, 哈尔滨工业大学, 材料与科学工程学院, 工学硕士
1999/9-2003/7, 合肥工业大学, 材料与科学工程学院, 工学学士

主要研究领域、方向:

主要研究领域、方向:
1 金属材料的微观组织与性能
2 外场下合金凝固行为
3 合金中第二相析出行为

研究成果(代表性成果):

近年来, 主持国家自然科学基金面上基金一项; 主持结题国家自然科学基金青年基金一项、国家重点实验室开放课题一项、博士后基金一项。参与国家自然科学基金重点基金两项、国家自然科学基金面上基金2项。作为第一作者在国际著名期刊Journal of Materials Research, Journal of Crystal Growth, Journal of Alloys and Compounds, Materials Letters, Applied Physics A, Materials Science and Technology等发表SCI论文近20篇。为国际期刊Journal of Materials Research, Journal of Alloys and Compounds, Materials Letters, Applied Physics A, Journal of Materials Engineering and Performance, IEEE Transactions on Magnetics, Progress in Natural Science: Materials International, 金属学报, 物理学报, 无机化学学报等审稿人。授权专利3项, 申请专利3项。

目前承担科研项目:

1. 国家自然科学基金面上基金: 铁素体不锈钢中TiN的凝固析出行为及性能控制研究 (No. 51571081)
2. 国家自然科学基金青年基金: 奥氏体不锈钢凝固组织中铁素体形成机制及演化规律研究 (No. 51004095)

获奖情况:

1. 哈尔滨工业大学优秀毕业生
2. 中国科学院接受国内高校博士访学奖
3. 北京科技大学优秀毕业设计论文指导教师 (2014年)
4. 合肥工业大学优秀毕业设计论文指导教师 (2016年)

著作论文(代表作):

- (1) **J. W. Fu**, W. X. Qiu, Q. Q. Nie, Y. C. Wu. Precipitation of TiN during solidification of AISI 439 stainless steel. *Journal of Alloys and Compounds*. 2017, 699: 938-946.
- (2) **J. W. Fu**. Microstructure and corrosion behavior of hot-rolled GCr15 bearing steel. *Applied Physics A*. 2016, 122(4):416.
- (3) **J. W. Fu**, Y. S. Yang. Crystallography and morphology of a lathy ferrite in Fe-Cr-Ni alloys during directional solidification. *Journal of Materials Research*. 2013, 28(15):2040-2046.
- (4) **J. W. Fu**, Y. S. Yang. Origin of the lathy ferrite in AISI 304 stainless steel during directional solidification. *Journal of Alloys and Compounds*. 2013, 580:191-194.
- (5) **J. W. Fu**, Y. S. Yang. Solidification behavior in three-phase region of AISI 304 stainless steel. *Materials Letters*. 2013, 93:18-20.
- (6) **J. W. Fu**, Y. S. Yang. Effect of a low-voltage pulsed magnetic field on the microstructure and mechanical properties of AZ80 alloy. *Journal of Iron and Steel Research, International*. 2012, 19(1-1):256-259.
- (7) **J. W. Fu**, Y. S. Yang. Orientational dependence of lathy ferrite in Fe-Cr-Ni alloy during directional solidification. *Materials Letters*. 2012, 81:177-180.
- (8) **J. W. Fu**, Y. S. Yang. Microstructure and mechanical properties of Mg-Al-Zn alloy under a low-voltage pulsed magnetic field. *Materials Letters*. 2012, 67:252-255.

- (9) **J. W. Fu**, Y. S. Yang. Formation of the solidified microstructure of Mg-Al-Zn alloy under a low-voltage pulsed magnetic field. *Journal of Materials Research*. 2011, 26(14):1688-1695.
- (10) **J. W. Fu**, Y. S. Yang. Formation of the solidified microstructure in Mg-Sn binary alloy. *Journal of Crystal Growth*. 2011, 322(1):84-90.
- (11) **J. W. Fu**, Y. S. Yang, J. J. Guo. Microstructure selection of Fe-Cr-Ni alloy during directional solidification. *International Journal of Cast Metals Research*. 2010, 23(2):119-123.
- (12) **J. W. Fu**, Y. S. Yang, J. J. Guo, J. C. Ma, W. H. Tong. Formation of the two-phase coupled microstructure in Fe-Cr-Ni alloy during directional solidification. *Journal of Materials Research*. 2009, 24(7):2385-2390.
- (13) **J. W. Fu**, Y. S. Yang, J. J. Guo. Formation of a blocky ferrite in Fe-Cr-Ni during directional solidification. *Journal of Crystal Growth*. 2009, 311(14):3661-3666.
- (14) **J. W. Fu**, Y. S. Yang, J. J. Guo, J. C. Ma, W. H. Tong. Microstructure evolution in AISI 304 stainless steel during near-rapid directional solidification. *Materials Science and Technology*. 2009, 25(8):1013-1016.
- (15) **J. W. Fu**, Y. S. Yang, J. J. Guo, J. C. Ma, W. H. Tong. Microstructure formation in rapidly solidified AISI 304 stainless steel strip. *Ironmaking & Steelmaking*. 2009, 36(3):230-233.
- (16) **J. W. Fu**, Y. S. Yang, J. J. Guo, J. C. Ma, W. H. Tong. Formation of a two-phase microstructure in Fe-Cr-Ni alloy during directional solidification. *Journal of Crystal Growth*. 2008, 311(1):132-136.
- (17) **J. W. Fu**, Y. S. Yang, J. J. Guo, W. H. Tong. Effect of cooling rate on the solidification microstructures in AISI 304 stainless steel. *Materials Science and Technology*. 2008, 24(8):941-944.
- (18) X. G. Dong, **J. W. Fu**, J. Wang, Y. S. Yang. Microstructure and tensile properties of as-cast and as-aged Mg-6Al-4Zn alloys with Sn addition. *Materials & Design*. 2013, 51:567-574.
- (19) 董旭光, **付俊伟**, 杨院生. Al和Zn对铸造Mg-5Sn合金微观组织及力学性能的影响. *金属学报*. 2013, 49(5):621-628.
- (20) J. Wang, **J. W. Fu**, X. G. Dong, Y. S. Yang. Microstructure and mechanical properties of as-cast Mg-Al-Sn-Y-Nd alloy. *Materials & Design*. 2012, 36:432-437.
- (21) Z. G. Xu, **J. W. Fu**, T. J. Luo, Y. S. Yang. Effects of cell size on quasi-static compressive properties of Mg alloy foam. *Materials & Design*. 2012, 34:40-44.
- (22) Y. X. Wang, **J. W. Fu**, Y. S. Yang. Effect of Nd addition on microstructures and mechanical properties of AZ80 magnesium alloys. *Transactions of Nonferrous Metals Society of China*. 2012, 22(6):1322-1328.
- (23) 王亚霄, **付俊伟**, 王晶, 罗天骄, 董旭光, 杨院生. Bi对AZ80镁合金凝固行为及显微组织的影响. *金属学报*. 2011, 47(4):410-416.
- (24) 杨院生, **付俊伟**, 汪彬, 冯小辉, 董文辉, 李应举. 镁合金低压脉冲磁场晶粒细化. *中国有色金属学报*. 2011, 21(10):2639-2649.