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主要研究方向

- 1、钛基、TiAl 基金属材料及其精密热成形
- 2、金属凝固组织控制
- 3、粉末冶金
- 4、金属基复合材料

社会兼职

主要学术成果

1. **Fantao KONG**, Yuyong CHEN, Baohui LI. Influence of Rare Earth Y on the High Temperature Deformability of TiAl Alloys. *Materials Science and Engineering A*. 2009, 499: 53~57
2. **Kong FT**, Chen YY. The effect of heat treatment on the microstructure of Ti-45Al-5Nb-0.3Y alloy. *Materials Science Forum*. 2009, 614: 55~59
3. **Kong FT**, Chen YY. Effects of thermo-mechanical treatments on microstructure of Ti-43Al-9V-Y alloy. *International Journal of Modern Physics B*. 2009, 23(6-7): 1009~1013
4. **Kong Fantao**, Li Baohui, Chen Yuyong, Han Jiecai. Essence of room temperature brittleness of TiAl based alloys and improving approaches. *Journal of Advanced Materials*, 2007, 39(1):33~40
5. Yuyong Chen, **Fantao Kong**, Jiecai Han, Ziyong Chen, Jing Tian. Influence of yttrium on microstructure, mechanical properties and deformability of Ti-43Al-9V alloy. *Intermetallics*. 2005, 13(3-4):263~266
6. **Kong Fantao**, Chen Ziyong, Tian Jing, Chen Yuyong. Effect of Rare Earth on Microstructure of γ -TiAl Intermetallics. *Journal of Rare Earths*. 2003, 21(2): 163~166
7. Chen YY, **Kong FT**, Yu HB. Synthesis and properties of an ultrafine grained Ti-45Al-2Cr-2Nb-1B-0.5Ta alloy prepared by double mechanical milling and spark plasma sintering. *Materials Science Forum*. 2009, 614: 49~54
8. **孔凡涛**, 陈玉勇. 锻造与轧制对 Ti-43Al-9V-0.3Y 合金显微组织和力学性能的影响. *金属学报*. 2008, 44(7): 815~820
9. **孔凡涛**, 陈玉勇. 热机械处理对 Ti-45Al-5Nb-0.3Y 合金的显微组织与力学性能的影响. *金属学报*. 2008, 44(6): 757~763
10. 陈玉勇, **孔凡涛**. TiAl 合金显微组织细化. *金属学报*. 2008, 44(5): 551~556