

贾德昌

工学博士

教授；博士生导师

长江学者

+86-451-86418792 (办公电话)

dechangjia@yahoo.com.cn, dcjia@hit.edu.cn (投稿用)

主要研究方向

主要从事新型陶瓷材料及其复合材料的抗热震性、耐烧蚀性能及其在多功能航天防热部件上的应用等方面的科研与教学工作，主持及主要参与完成和在研“国家自然科学基金”、“国家高新工程”、“863”、“总装备部”、“国防科工委”和航天横向协作等各类科研课题 30 项。研究方向主要包括：

- 多功能航天防热陶瓷复合材料制备与应用技术
- 特种条件下陶瓷材料的损伤机理
- 形状复杂薄壁陶瓷材料构件的成型技术
- 陶瓷复合材料及构件的绿色低成本制备技术
- 非晶及纳米陶瓷与陶瓷基复合材料制备与表征
- 气凝胶及其复合材料
- 无机聚合物基复合材料

社会兼职

- 中国机械工程学会工程陶瓷专业委员会常务理事
- 中国硅酸盐学会特种陶瓷专业委员会理事
- 国家自然科学基金项目通讯评议专家
- 10 余种国际期刊(J Am Ceram Soc, Mater Lett, Mater and Design, Mater Res Bull, J Phy and Chem Solids, Chem Eng Commun, Acta Biomaterialia 等)和 10 余种中文期刊(《硅酸盐学报》、《无机材料学报》、《复合材料学报》、《材料科学与工艺》、《上海交通大学学报》、《西安交通大学学报》、《天津大学学报》等)审稿人。

主要学术成果

发明了多个系列具有自主知识产权的陶瓷基复合材料，研制成包括我国杀手锏武器在内的几个型号多种关键防热部件并获成功应用，获 2005 年度国家技术发明二等奖 1 项，航天工业总公司、国防科工委和教育部科技进步一等奖 2 项、二等奖 2 项。申报国家发明专利 38 项(已授权 8 项)；发表与合作发表学术论文 160 余篇，SCI 收录 123 篇、EI 收录 137 篇，SCI 他引 270 余次；由科学出版社、哈工大出版社、台湾沧海书局等出版专著/教材 3 部；论著被他人引用合计 500 余次。代表作如下：

- 专著/教材
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 2. 贾德昌, 宋桂明, 周劲松, 王文.《电子材料》(共 48.8 万字, 任主编并编撰其中 36 万字), 哈工大出版社, 2000; 台湾沧海书局, 2001
 3. 周玉, 贾德昌, 温广武.《陶瓷材料学》(参著第 12 章, 6 万字), 哈工大出版社, 1995; 台湾中央出版社, 1998; 科学出版社, 2004
- 学术论文
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 3. **贾德昌**, 邵颖峰. 一种泡沫氮化硅陶瓷的制备方法. 专利号: ZL 200710144954.X
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