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师资名录

- 院士
- 教授
- 资深教授
- 副教授

彭良明

教授, 博士生导师

中国科学技术大学近代力学系(安徽合肥)

- 邮编: 230026
- 电话: 0551-3606964
- 传真: 0551-3606459
- Lab:
- Email: penglm@ustc.edu.cn



彭良明教授 专家、国际力学、办公室：力学一楼101室
电话：0551-3606964 E-Mail: penglm@ustc.edu.cn

教育经历

- 1993年获大连理工大学材料科学与工程学士学位,
- 1998年获大连理工大学结构力学博士学位。
- 1998. 10-2002. 10先后在日本国立长冈技术科学大学、日本精细陶瓷研究中心和韩国浦项科技大学从事博士后和访问研究,
- 2002年底年被聘为中国科学技术大学近代力学系副教授,
- 2007年底晋升为教授。
- 1998年获日本文部省奖学金, 2000年获日本科学技术厅研究基金(STA Fellow), 2007年入选教育部“新世纪优秀人才支持计划”, 获中国科技大学“王宽诚育才奖”一等奖。

科学研究

- 目前负责和参加国家自然科学基金项目各1项; 承担教育部“新世纪优秀人才支持计划”, 总装XXX工程基础理论XXX项目探索研究等项目, 与多家研究生产单位建立了合作研究关系。迄今在国际学术期刊发表SCI收录论文50余篇, 论著被他人引用100余次。本人不定期被多家国内外核心权威期刊如Composites Science and Technology, Journal of Materials Research, Intermetallics, Philosophical Magazine, Materials Research Bulletin, Surface and Coatings Technology, Materials Science and Engineering A, Journal of Materials Science, Eurasian Chemico-Technological Journal, Journal of Materials Science & Technology等杂志主编邀请作为审稿人(Peer-reviewer)。
- (1) 先进结构材料(新型多元陶瓷及其复合材料、C/C复合材料、超高温合金、非晶合金及其复合材料)的优化设计、制备及其力学行为
- (2) 新型热密封材料和热密封结构的研制和设计
- (3) 新型热电转换材料的研制及其热电传输特性研究
- (4) 负刚度、负泊松比材料体系的设计、合成及其变形行为

实验室设备

- (1) 拥有比较完备的材料制备设备包括制粉、球磨、成型和真空热压烧结炉、真空电磁感应悬浮熔炼炉等
- (2) 多功能高温试验机
- (3) 工程与材料测试中心拥有完备的材料性能测试与微结构表征设备包括MTS、环境扫描电镜、透射与高分辨电镜、纳米压痕仪等

论文专著

- 1) Mechanical properties of Ceramic-metal composites by pressure infiltration of metal into porous ceramics - Materials Science and Engineering A - 2004
- 2) Processing and mechanical behavior of laminated titanium-titanium tri-aluminide (Ti-Al₃Ti) composites - Materials Science and Engineering A - 2005 -
- 3) Synthesis and microstructure characterization of Ti-Al₃Ti metal-intermetallic laminate (MIL) composites - Scripta Materialia - 2005 -
- 4) High Strength and High Fracture Toughness Ceramic-Iron Aluminide (Fe₃Al) Composites - Materials Letters - 2006 -
- 5) Microstructure, and Mechanical Properties of in situ TiAl-based Multiphase Composites - Metallurgical and Materials Transactions A - 2006 -
- 6) Synthesis and Microstructural Characterization of Aluminum Borate Whiskers - Ceramics International - 2006 -
- 7) Processing and mechanical properties of multiphase composites based on Mo-Si-Al-C system - Journal of Alloys and Compounds - 2006 -
- 8) Fabrication and mechanical properties of microalloyed and ceramic particulate reinforced NiAl-based alloys - Journal of Alloys and Compounds - 2007 -
- 9) Preparation and properties of ternary Ti₃AlC₂ and its composites from Ti-Al-C powder mixtures with ceramic particulates - Journal of the American Ceramic Society - 2007
- 10) Investigation of multi-phase intermetallic matrix composites (IMC) based on Al-Mo-Zr-Co system - Intermetallics - 2007 -
- 11) Multi-phase aluminide-based composites—fabrication, microstructure and properties - Composites Science and Technology - 2007 -
- 12) Fabrication and properties of Ti₃AlC₂ particulates reinforced copper composites - Scripta materialia - 2007 -
- 13) Microstructural and mechanical characterization of Nb-based in situ composites from Nb-Si-Ti ternary system - Acta materialia - 2007 -
- 14) Ultra-high temperature structural materials: Mo-Si-B alloys—synthesis, microstructural and mechanical characterization - Materials Letters - 2008 -
- 15) Synthesis and mechanical properties of niobium aluminide-based composites - Materials Science and Engineering A - 2008 -