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师资队伍

师资概况

教职工信息

博士后流动站

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姓名: 程焕武

出生年月: 1967年2月

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个人介绍

长期从事新材料的研究工作。曾先后参与《中碳贝氏体钢的研制》(2003年获教育部科技进步二等奖)、《贝氏体钢的应用技术》(2004年获国防科工委科技进步二等奖)、《非晶合金材料研究》、《非晶基复合材料研究》等课题的研究工作。现在是北京理工大学王富耻教授领导的国防创新团队成员,冲击环境下材料技术重点实验室成员。

具有丰富的材料宏观结构分析、动静态力学性能测试分析及材料热处理实践经验。在国内外学术期刊上发表论文25篇,多被EI、SCI收录。2003年获得北京理工大学“三育人”先进个人。主讲《材料力学性能与失效分析》等多门课程。

教育经历

1986.09-1990.07 西安工业大学材料系, 大学本科

1996.09-1999.03 北京理工大学机械工程与自动化学院, 硕士研究生

2001.03-2006.09 北京理工大学材料学院, 博士研究生

工作经历

1990.08-1996.08 国营126厂 技术员、工程师

1999.07-2011.12 北京理工大学材料学院教师 讲师、副研究员

2006.01-04 英国西英格兰大学(UWE)教学法培训学习

研究领域

非晶合金及其复合材料研究

贝氏体钢研制与应用技术

材料动态力学性能研究

社会任职

中国热处理协会会员

获奖情况

2003年, 获得北京理工大学“三育人”先进个人

2003年, 获教育部科技进步二等奖

2004年, 获国防科工委科技进步二等奖

科研项目

- 教育部项目中碳贝氏体钢的研制(1998-2001)
- 国防科工委项目贝氏体钢的应用技术(1996-2002)

- 总装备部项目非晶合金材料研究 (2000-2005)
- 总装备部项目非晶基复合材料研究 (2006-2010)
- 总装备部项目非晶基复合材料研究 (2011-2015)

论文专著

主要论文

- [1] Study into quasi-static compressive properties of W-Cu alloy
Cheng, Huan-Wu (School of Material Science and Engineering, Beijing Institute of Technology, Beijing 100081, China); Ma, Yu-Liang; Fu, Ke-Qin; Xue, Yun-Fei; Xia, Zhong-Hong; Teng, Jun Source: Beijing Ligong Daxue Xuebao/Transaction of Beijing Institute of Technology, v 31, n 5, p 615-617, May 2011 Language: Chinese
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- [2] Research on dynamic compress properties of air-cooled bainitic steel
Cheng, Huan-Wu (School of Material Science and Engineering, Beijing Institute of Technology, Beijing 100081, China); Wu, Qiong; Fu, Ke-Qin; Xue, Yun-Fei; Guang, Wen; Teng, Jun Source: Beijing Ligong Daxue Xuebao/Transaction of Beijing Institute of Technology, v 31, n 4, p 486-488+496, April 2011 Language: Chinese
Accession number: 20112714111950
- [3] Research on fracture mode under dynamic tension of W fiber/Zr-based amorphous alloy matrix composites
Cheng, Huan-Wu; Cai, Hong-Nian; Wang, Lu; Wang, Yang-Wei; Xue, Yun-Fei Source: Cailiao Gongcheng/Journal of Materials Engineering, n 7, p 67-69, July 2007 Language: Chinese
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- [4] Fracture behavior characteristics of SiC skeleton/Zr-based
Liu, Jun (School of Material Science and Engineering, Beijing Institute of Technology, Beijing 100081, China); Wang, Lu; Cheng, Huan-Wu; Xue, Yun-Fei; Zhang, Hai-Feng Source: Beijing Ligong Daxue Xuebao/Transaction of Beijing Institute of Technology, v 30, n 7, p 873-877, July 2010 Language: Chinese
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- [5] Fracture Behavior Characteristics of SiC Skeleton/Zr-based Amorphous Alloy Composites Bearing High-speed Impact
Liu Jun (Sch. of Mater. Sci. & Eng., Beijing Inst. of Technol., Beijing, China); Wang Lu; Cheng Huan-wu; Xue Yun-fei; Zhang Hai-feng Source: Transactions of Beijing Institute of Technology, v 30, n 7, p 873-7, July 2010 Language: Chinese
Accession number:12012027
- [6] Dynamic compression characteristics of Mg65Cu20Ag5Gd10 bulk amorphous alloy
Cheng, Huan-Wu (School of Material Science and Engineering, Beijing Institute of Technology, Beijing 100081, China); Li, Jie-Qiong; Wang, Lu; Shao, Chang-Xing; Zhang, Hai-Feng; Wang, Ai-Min Source: Binggong Xuebao/Acta Armamentarii, v 29, n 6, p 728-730, June 2008
Language: Chinese
Accession number: 20083111424166
- [7] Effect of preparative processes on the quasi-static compressive properties of porous SiC ceramic/Zr-based amorphous composites
Cheng, Huan-Wu (School of Material Science and Engineering, Beijing Institute of Technology, Beijing 100081, China); Wang, Lu; Ma, Li-Li; Xue, Yun-Fei; Yang, Guang; Bai, Yi Source: Beijing Ligong Daxue Xuebao/Transaction of Beijing Institute of Technology, v 29, n 10, p 906-909, October 2009 Language: Chinese
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- [8] Effects of yttrium on the glass-forming ability and corrosion resistance of Fe50-xMo14Cr15C15 B6Yx amorphous alloys
Zhou, Zheng (School of Materials Science and Engineering, Beijing Institute of Technology, Beijing 100081, China); Wang, Lu; Wang, Fu-Chi; Zhang, Hai-Feng; Cheng, Huan-Wu; Liu, Yan-Bo; Xu, Sai-Hua Source: Beijing Ligong Daxue Xuebao/Transaction of Beijing Institute of Technology, v 28, n 5, p 455-458+463, May 2008 Language: Chinese
Accession number: 20082611336226
- [9] Testing of high-strength Zr-based bulk metallic glass with the split Hopkinson pressure bar
Xue Yun-fei (Sch. of Mater. Sci. & Eng., Beijing Inst. of Technol., Beijing, China); Cai Hong-nian; Wang Lu; Zhang Hai-feng; Cheng Huan-wu Source: Journal of Beijing Institute of Technology, v 17, n 1, p 109-14, March 2008
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- [10] Heat treatment study of adiabatic shear bands in air-cooling bainitic steel fragment
Cheng Huan-wu (Sch. of Mater. Sci. & Eng., Beijing Inst. of Technol., Beijing, China); Li Shu-kui; Teng Jun; Yang Dao-ming; Yang Jie; Zhang Lu Source: Transactions of Beijing Institute of Technology, v 28, n 4, p 364-6, April 2008 Language: Chinese
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- [11] Testing of high-strength Zr-based bulk metallic glass with the split Hopkinson pressure bar. Xue, Yun-Fei (School of Materials Science and Engineering, Beijing Institute of Technology, Beijing 100081, China); Cai, Hong-Nian; Wang, Lu; Zhang, Hai-Feng; Cheng, Huan-Wu Source: Journal of Beijing Institute of Technology (English Edition), v 17, n 1, p 109-114,

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[12] Deformation characteristic of tungsten skeleton/Zr-based amorphous alloy composites under high-speed impact
Cheng, Huan-Wu (School of Material Science and Engineering, Beijing Institute of Technology, Beijing 100081, China);
Wang, Lu; Xue, Yun-Fei; Wang, Hai-Li; Wu, Qing-Shan; Zhang, Hai-Feng; Wang, Ai-Min Source: Binggong Xuebao/Acta
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[13] Effect of Preparative Processes on the Quasi-Static Compressive Properties of Porous SiC Ceramic/Zr-Based
Amorphous Composites

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Guang; Bai Yi Source: Transactions of Beijing Institute of Technology, v 29, n 10, p 906-9, Oct. 2009 Language:
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[14] Microstructure characteristics of adiabatic shear band in air-cooling bainitic steel fragment

Cheng, Huan-Wu (School of Material Science and Engineering, Beijing Institute of Technology, Beijing 100081, China); Li,
Shu-Kui; Teng, Jun; Yang, Dao-Ming; Li, Xiao-Man; Yang, Jie Source: Beijing Ligong Daxue Xuebao/Transaction of Beijing
Institute of Technology, v 28, n 2, p 173-176, February 2008 Language: Chinese

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[15] Microstructure and properties of Fe-based amorphous alloy coatings

Zhou Zheng (Sch. of Mater. Sci. & Eng., Beijing Inst. of Technol., Beijing, China); Wang Lu; Wang Fu-chi; Cheng Huan-wu;
Zhang Hai-feng; Xu Sai-hua; Wang Yi-ming Source: Transactions of Beijing Institute of Technology, v 28, n 9, p 817-21, Sept.
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[16] Microstructure and properties of Fe-based amorphous alloy coatings

Zhou, Zheng (School of Materials Science and Engineering, Beijing Institute of Technology, Beijing 100081, China); Wang,
Lu; Wang, Fu-Chi; Cheng, Huan-Wu; Zhang, Hai-Feng; Xu, Sai-Hua; Wang, Yi-Ming Source: Beijing Ligong Daxue
Xuebao/Transaction of Beijing Institute of Technology, v 28, n 9, p 817-821, September 2008 Language: Chinese

Accession number: 20084311657926

专著与教材:

《材料力学性能与失效分析》研究型课程教材, 主编, 2012年完成。

《工程材料力学性能与失效分析》, 北京理工大学“十二五”规划教材, 主编, 2013年完成。

专 利

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