

郭斌

工学博士

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主要研究方向

1. 冲压加工新工艺
2. 塑性微成形技术
3. 分子动力学模拟研究
4. 难变形材料高温成形技术
5. 海水淡化技术

社会兼职

《哈尔滨工业大学学报》(英文版) 编委
日本塑性加工学会正会员
黑龙江省航空学会副理事长
中国微纳米学会理事
哈尔滨市专家顾问委员会顾问委员
冲压学会委员会委员

主要学术成果

1. 锻压手册(第三版, 第二卷), 机械工业出版社, 2008, 副主编
2. 冲压工艺理论与新技术, 机械工业出版社, 2002, 第三作者
3. 锻压手册(第二版, 第二卷), 机械工业出版社, 2002, 副主编
4. B Guo, C J Wang, D B Shan, et al. Size effect of flow stress in isothermal upsetting deformation. *International Journal of Modern Physics B*. 2009, 23(6-7):1745-1750.
5. B Guo, X L Guo, M Z Ma, D B Shan. Influence of high temperature deformation on the fracture behavior of a bulk Zr-based metallic glass. *J Non-cryst. Solids*. 2008, 354(28): 3348~3353.
6. GUO Bin, ZHOU Jian, SHAN Debin, WANG Huimin. Size Effects of Yield Strength of Brass Foil In Tensile Test. *Acta Metallurgica Sinica*. 2008, 44 (4):163-166. (In Chinese)
7. C J WANG, D B SHAN, B GUO, et al. Key Problems in Microforming Process of Microparts. *Journal of Materials Science and Technology*. 2007, 23(2): 283-288
8. C J Wang, D B Shan, B Guo, et al. Size Effects of the Cavity Dimension on the Microforming Ability during Coining Process. *Journal of Materials Processing Technology*. 2007, 187-188: 256-259
9. D B Shan, L Yuan, B Guo. Multiscale simulation of surface step effects on nanoindentation. *Materials Science and Engineering A*. 2005, 412(1-2): 264-270.
10. P Zhang, B Guo, D B Shan, et al. FE simulation of laser curve bending of sheet metals, *Journal of Materials Processing Technology*. 2007, 184(1-3): 157-162.
11. ZHANG Peng, GUO Bin, JIN Yong-ping, et al. Corrosion characteristics of copper in magnetized sea water. *Transactions of Nonferrous Metals Society of China*. 2007, 17(1):189-193.
12. GUO Bin, ZHANG Peng, CHENG Shu-kang. Research on hydrokinetics characteristics of rotating pipe fluid in the crossed electric and magnetic field. *Journal of Harbin Institute of Technology*. 2007, 14(1): 5-8.
13. 精密微塑性成形系统. ZL 03132554.8
14. 用于微型零件精密成形的微型浮动模具装置. ZL 200310107775.0
15. 用于微型双齿轮精密复合成形的微型模具装置. ZL 200510010099.4
16. 微冲孔模具. ZL 200810209567.4
17. 粘性压力成形设备, ZL 99120521.9
18. 海水淡化器. ZL 200510010408.8