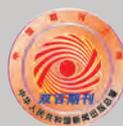


航空制造技术

8



封面文章

**基于数字模型的
工艺设计与应用**

专稿

**面向数控加工过程智能管控
的多源异构数据管理方法**

论坛

精密/超精密加工

走进科研

**机械工业精密磨削
技术重点实验室**

ISSN 1671-833X



万方数据



专稿 Feature



封面文章 Cover Story

论坛 Forum

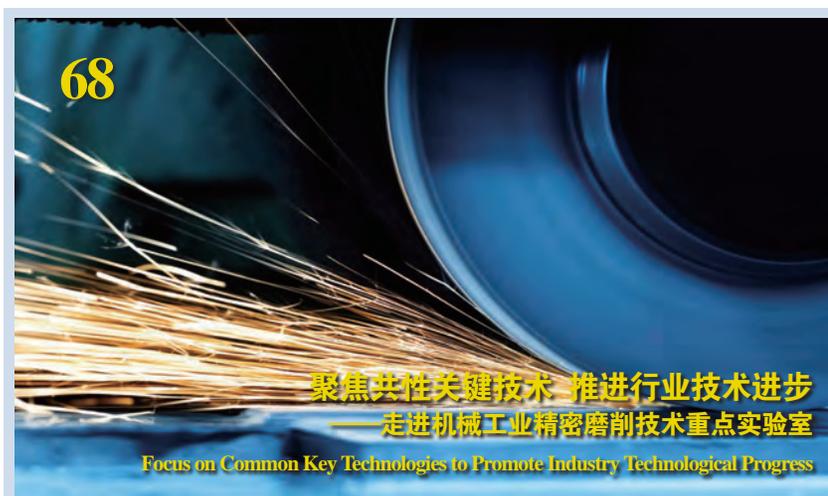
精密/超精密加工

Precision/Ultra-Precision
Machining

- 26 基于数字模型的工艺设计与应用
————— 巩玉强
Process Design and Application Based on Digital Model
GONG Yuqiang
- 38 磨料电化学射流加工SiC_p/Al复合材料仿真和试验
————— 刘壮 邱一 郭超 高长水
Simulation and Experiments of Abrasive Assisted Electrochemical Jet Machining of SiC Reinforced Aluminum Matrix Composites
LIU Zhuang QIU Yi GUO Chao GAO Changshui
- 46 大口径光学非球面超精密磨削装备与技术
————— 陈登铃 彭云峰 王振忠 毕果 杨平 杨炜
施晨淳 郭志光
Ultra-Precision Grinding Equipment and Technology for Large-Size Optical Aspheric Surface Components
CHEN Dengling PENG Yunfeng WANG Zhenzhong BI Guo
YANG Ping YANG Wei SHI Chenchun GUO Zhiguang
- 54 铝合金插铣加工切削力分析及成屑弧区划分研究
————— 周井文 秦文津 任培强
Research on Cutting Force and Partition of Chip-Forming Area During Plunge Milling of Aluminum Alloy
ZHOU Jingwen QIN Wenjin REN Peiqiang
- 61 气氛对紫外激光非晶合金盲孔加工性的影响研究
————— 李元成 毛忠 王程浩 蔡敏 张伟 张晓兵
Effect of Atmosphere on Processability of Blind Holes in Amorphous Alloys Processed by Ultraviolet Laser
LI Yuancheng MAO Zhong WANG Chenghao CAI Min
ZHANG Wei ZHANG Xiaobing

走进科研

Approaching Science



研究论文

Research

- 70 模型驱动的民机数字化制造工艺技术研究与实践
—— 来云峰 李婉丽
Research and Practice of Digital Manufacturing Technology Based on Model-Driven Civil Aircraft
LAI Yunfeng LI Wanli
- 77 不同环境下J299胶膜胶接接头试验研究
—— 雷安民 邓凡臣 邹鹏
Experimental Study on Adhesive Joints With J299 Film Under Different Environments
LEI Anmin DENG Fanchen ZOU Peng
- 80 形状记忆合金鼓包的挠度控制研究
—— 陈兴 张琛 季宏丽 裘进浩
Research on Deflection Control of Shape Memory Alloy Bump
CHEN Xing ZHANG Chen JI Hongli QIU Jinhao
- 87 微量元素对Sn-3.5Ag-0.7Cu钎料性能的影响
—— 寇璐璐 曲文卿 庄鸿寿
Effects of Trace Element on Properties of Sn-3.5Ag-0.7Cu Lead-Free Solder
KOU Lulu QU Wenqing ZHUANG Hongshou
- 93 复合材料C型梁热隔膜成型影响因素分析
—— 李璐璐 任亚辉 孙松强 王雨
Analysis of Influencing Factors on Hot Diaphragm Forming For Composite C Spar
LI Lulu REN Yahui SUN Songqiang WANG Yu

Contents