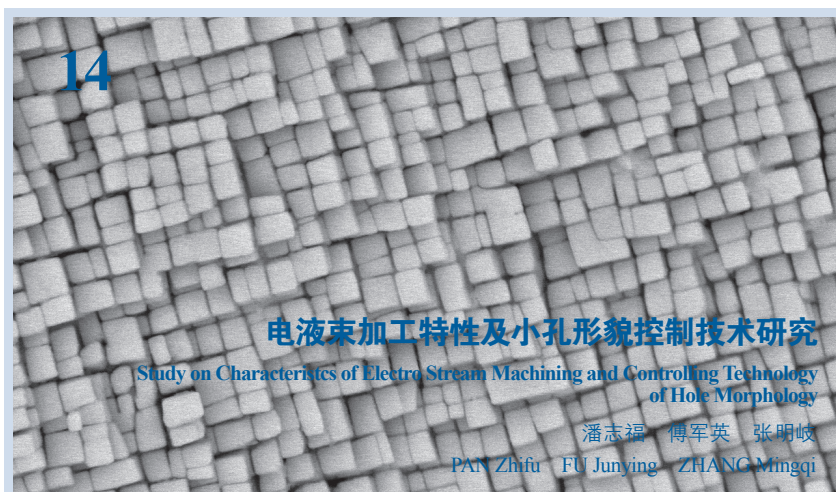


专稿 Feature



封面文章 Cover Story

论坛 Forum

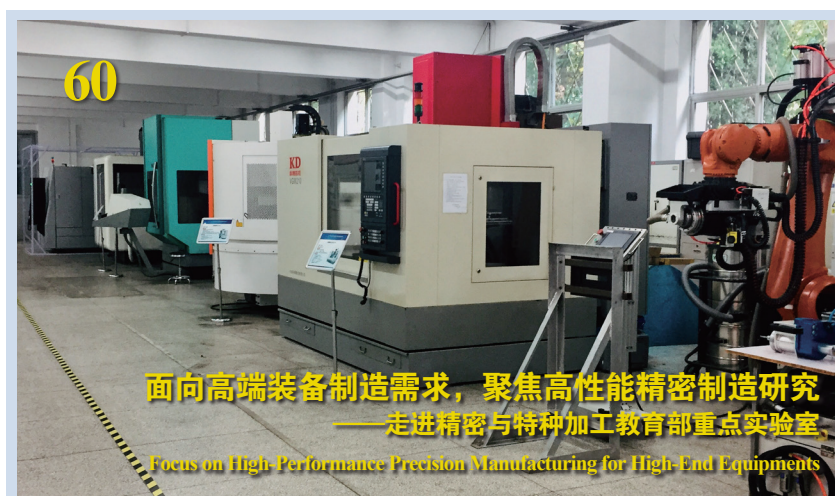
电火花加工

Electrical Discharge Machining

- 22 γ -TiAl金属间化合物加工的国内外研究现状
——廖阳稷 顾琳 刘苏毅 何国健
Research Status of Machining γ -TiAl Intermetallic Compounds Both in China and Overseas
LIAO Yangjilian GU Lin LIU Suyi HE Guojian
- 36 基于内冲液的电火花小孔加工间隙流场仿真研究
——刘宇 刘创业 马付建 杨大鹏 沙智华 黄文丽 张生芳
Simulation Study on Gap Flow Field in EDM Small-Hole Machining Based on Internal Flush
LIU Yu LIU Chuangye MA Fujian YANG Dapeng SHA Zhihua HUANG Wenli ZHANG Shengfang
- 43 慢波结构微细内槽电火花加工用工具电极的制作方法及应用
——任连生 杨立光 郭妍 伏金娟
Fabrication Method and Application of EDM Tool Electrode for Machining Micro Internal Grooves of Slow Wave Structure
REN Liansheng YANG Liguang GUO Yan FU Jinjuan
- 48 振动辅助电火花修整航空发动机叶片进排气边误差工艺参数优化及对比
——宋涛 龙金 闫步云 王笑影 马良奇 余祖元
Optimization and Comparison of Trimming Parameters of Leading and Trailing Edges of Aero-Engine Blade by Vibration Aided EDM
SONG Tao LONG Jin YAN Buyun WANG Xiaoying MA Liangqi YU Zuyuan
- 54 SiC_p/2024Al复合材料电火花加工技术研究
——于朋 许金凯 崔广续 廉中旭 于化东
Study on EDM Technology of SiC_p/2024Al Composites
YU Peng XU Jinkai CUI Guangxu LIAN Zhongxu YU Huadong

走进科研

Approaching Science



研究论文

Research

- 62 叠层滑移工艺制造大型机身帽型长桁
薛向晨 胡江波 王 犇 梁宪珠 郑晓玲 陈 萍
Laminated Slip Manufacture Method for Large Fuselage Hat-Section Stringer
XUE Xiangchen HU Jiangbo WANG Ben LIANG Xianzhu
ZHENG Xiaoling CHEN Ping
- 68 面向电子束熔丝增材制造数模再建系统的研发
唐绍宁 廖敦明 刘子瑜 杨 光 杨 帆
Development of Digital Model Recognition System for Electron Beam Fused Additive Manufacturing
TANG Shaoning LIAO Dunming LIU Ziyu YANG Guang YANG Fan
- 74 基于模型的航空脉动装配生产线关键数字化技术研究
张晓梅
Research on Key Digital Technology of Aircraft Pulsation Assembly Production Line Based on Model
ZHANG Xiaomei
- 82 基于刚度补强的机加工工艺凸台设计方法研究
骆金威 易 元 邱世广 刘元吉
Research on Design Method of Machining Process Convex Based on Stiff Reinforcement
LUO Jinwei YI Yuan QIU Shiguang LIU Yuanji
- 88 基于UG NX的航空发动机离心叶轮数控加工自动编程系统的研究
于嘉鹏 路永辉 姜博宏 孙加明 张 硕
Research on NC Automatic Programming System of Aero-Engine Centrifugal Impeller Based on UG NX
YU Jiapeng LU Yonghui JIANG Bohong SUN Jiaming ZHANG Shuo
- 96 面向知识工程的飞机装配故障管理平台设计与实现
蔡瑶琦 陈 雷 陈 振
Design and Implementation of Fault Management Platform for Aircraft Assembly Oriented to Knowledge Engineering
CAI Yaoqi CHEN Lei CHEN Zhen