

专稿 Feature



封面文章 Cover Story

论坛 Forum

复材结构与制造

Composites Structure and Manufacturing

- 22 三维整体中空复合材料的力学性能研究进展
郭章新 李忠贵 崔俊杰 朱明 贺奇 李永存 梁云博
Research Progress on Mechanical Properties of Three-Dimension Integrated Hollow Sandwich Composites
GUO Zhangxin LI Zhonggui CUI Junjie ZHU Ming HE Qi LI Yongcun LUAN Yunbo
- 34 高性能纤维增强树脂基复合材料3D打印
明越科 段玉岗 王奔 肖鸿 张小辉
3D Printing for High Performance Fiber Reinforced Polymer Composites
MING Yueke DUAN Yugang WANG Ben XIAO Hong ZHANG Xiaohui
- 39 大尺寸复合材料翼梁数字化设计/制造技术
李林
Digital Design/Manufacture Technique of Large Size Composite Wing Spar
LILin
- 47 铺层结构对复合材料层合板拉伸性能的影响
刘岩松 张子健 李志歆 王童 滕飞
Effect of Layered Structure on Tensile Strength of Composite Laminates
LIU Yansong ZHANG Zijian LI Zhixin WANG Tong TENG Fei
- 51 超长可折叠复合材料豆荚杆轴向压缩屈曲性能测定方法
林秋红 白江波 从强
Novel Experimental Method for Determining Axial Compression Buckling Behaviour of Ultra-Length Foldable Thin-Walled Lenticular Composite Tube
LIN QiuHong BAI Jiangbo CONG Qiang
- 56 基于Plant Simulation的航空复合材料生产线工艺布局仿真建模及评估
崔晶 李慧
Simulation Modeling and Evaluation of Aeronautical Composite Material Production Line Layout Based on Plant Simulation
CUI Jing LI Hui

走进科研

Approaching Science



专题 Special Topic

自动铺丝

Automated Fiber Placement

66 自动铺丝过程中的典型缺陷及原因分析

原崇新 李妍 潘杰 赵新福

Typical Defects and Causes Analysis of Automated Fiber Placement

YUAN Chongxin LI Yan PAN Jie ZHAO Xinfu

75 网格铺丝用预浸丝分切性能研究

黄晓川 张建宝 赵文字 刘永俊 王俊峰 孙宏杰

Research on Slitting Property of Prepreg Tow Applied in Automated Fiber Placement for Grid

HUANG Xiaochuan ZHANG Jianbao ZHAO Wenyu LIU Yongjiao

WANG Junfeng SUN Hongjie

79 基于树脂基复合材料自动铺丝工艺的轨迹设计技术探讨

王显峰 刘卫平 梁文萍 居相文 肖军

Discussion on Trajectory Design Technology Based on Automated Composites Fiber Placement Process

WANG Xianfeng LIU Weiping LIANG Wenping JU Xiangwen XIAO Jun

87 复合材料C/L型结构固化变形的影响因素分析

杨青 卫原平 刘卫平

Effect Factors on Curing-Induced Distortion of C/L Composite Structures in Manufacturing Processing

YANG Qing WEI Yuanping LIU Weiping

95 复合材料制件Invar钢光顺模具型板冲压成形回弹性能研究

李玉杨 赵安安 张礼康 杨超 黄朝炎 胡勇

Research on Springback of Invar Alloy Smooth Composite Mould Plate Stamping Process

LI Yuyang ZHAO Anan ZHANG Likang YANG Chao HUANG Chaoyan HU Yong

固化变形

Curing Deformation