

目次

中国兵工学会压力加工专委会 2017 年学术年会专栏

纳米晶 304 不锈钢板材的深度轧制技术及其力学与腐蚀性能研究进展 王胜刚, 孙森, 龙康(1)

Mg-Li 系合金超塑性研究进展 曹富荣(8)

铝合金汽车顶盖充液成形的数值模拟 郎利辉, 巫永坤, 陈杨锴, 王耀, 孙志莹(13)

变形温度对镁合金等通道转角挤压晶粒尺寸演变影响的有限元模拟 金朝阳, 殷凯, 史伟伟, 马恒, 严凯(19)

PC/ABS 在高应变率下的压缩大变形 李阳, 王海涛, 张云(25)

挤压速度对 Ti3Al 基合金包套挤压过程影响的数值模拟 刘诗彪, 王克鲁, 鲁世强, 李鑫, 许求喜(30)

基于 ANSYS/LS-DYNA 的工程车辆轮辐冲压工艺优化 李昊, 王强(34)

结合齿圈冷挤压工艺优化 施卫兵, 殷强, 袁海兵, 李明明, 龚爱军, 胡成亮(40)

MIG 堆(钎)焊某弹弹带工艺研究 潘玲, 姜春茂, 赵东升, 孙家利, 刘海艳, 何冰森, 王秋雨, 刘宇(45)

微小型齿轮片连续冲、修工艺 刘汉雄, 王若, 李向华(48)

特种铝合金精密成形技术及其在国防科技领域中的应用 王艳艳, 吴茂永, 曲华, 袁迅道(51)

研究进展

熔体过热处理技术及其在镍基高温合金中的应用研究进展 王海锋, 苏海军, 张军, 黄太文, 郭敏, 刘林, 傅恒志(55)

电液成形技术研究现状及发展趋势 于海平, 郑秋丽, 安云雷(65)

工艺优化设计

NF709 奥氏体耐热钢的热变形行为 包汉生, 王敬忠, 刘正东, 陈正宗, 程杰锋(73)

DP600 双相钢单向拉伸的交叉颈缩现象与有限元分析 王川乔, 高志纯, 鄂大辛(79)

不同后处理对 MT-TiCN 涂层刀具组织与切削性能的影响 杜丽业, 邱联昌, 杜勇, 钟志强, 史海东(83)

多工位级进模冲裁工序模具磨损行为的数值分析及寿命预测 熊英超, 夏琴香, 叶福源, 陈志平(89)

基于滑移线场的闭挤式精冲主冲力计算及实验验证 吕琳, 王若璜, 马一龙, 邓明(94)

波长对板料锤击式渐进成形性能的影响 王小连, 王进, 周鹏, 柳琪(98)

3D 打印双点渐进成形支撑模具的可行性 周鹏, 王进, 王小连, 柳琪(102)

应用技术

电机绕组用金属铠装矿物绝缘电缆 杨晓晨, 于天达, 杨方亮(107)

新型焊接质量的无损检测技术 杨杰, 李路可, 沈华刚(111)

新型高柔性吊钩冷弯成形机的设计 沈鑫刚, 孙千里, 彭明华, 何黎明(115)

书讯 (120)

期刊基本参数: CN 50-1199/TB * 1983 * b * A4 * 120 * zh * P * ¥35.00 * 5000 * 23 * 2017-05

版权声明: 凡投稿录用者均视为同意版权归本刊所有, 所付稿酬包含网络稿酬。未经本刊书面许可, 任何人不得以任何形式转载、翻译、网上发布、录入数据库。

CONTENTS

Special Column for 2017 Academic Annual Conference of Pressure Processing Specialized Committee of China Ordnance Society

The Progress on Mechanical and Corrosion Properties of Nanocrystalline 304 Stainless Steel Plate Produced by Severe Rolling Technique..... *WANG Sheng-gang, SUN Miao, LONG Kang*(1)

Superplasticity of Mg-Li System Alloys *CAO Fu-rong*(8)

Numerical Investigation into the Hydroforming of Aluminum Alloy Automobile Roof Cover *LANG Li-hui, WU Yong-kun, CHEN Yang-kai, et al.*(13)

Deformation Temperature Dependence of Grain Size Evolution in Magnesium Alloys Processed by Equal Channel Angular Pressing in Finite Element Method *JIN Zhao-yang, YIN Kai, SHI Wei-wei, et al.*(19)

Compressive Large Deformation of PC/ABS at High Strain Rates *LI Yang, WANG Hai-tao, ZHANG Yun*(25)

Numerical Simulation on Effect of Extrusion Speed on Sheathed Extrusion Process of Ti3Al-Based Alloy *LIU Shi-biao, WANG Ke-lu, LU Shi-qiang, et al.*(30)

Stamping Process Optimization of Engineering Vehicle Disk Based on ANSYS/LS-DYNA *LI Hao, WANG Qiang*(34)

Process Optimization for Cold Extrusion of Connection Gear Ring *SHI Wei-bing, YIN Qiang, YUAN Hai-bing, et al.*(40)

MIG (Bead) Braze Welding Process of Bearing Band for a Certain Bomb *PAN Ling, JIANG Chun-mao, ZHAO Dong-sheng, et al.*(45)

Continuous Punching-Finishing Process of Micro-Miniature Gear Pieces *LIU Han-xiong, WANG Ruo, LI Xiang-hua*(48)

Special Aluminum Alloy Precision Forming Technology and Its Application in the Field of National Defense Science and Technology *WANG Yan-yan, WU Mao-yong, QU Hua, et al.*(51)

Research Process

Progress on Melt Overheating Treatment Technology and Its Application in Ni-based Superalloys *WANG Hai-feng, SU Hai-jun, ZHANG Jun, et al.*(55)

Research Status and Development Tendency of Electrohydraulic Forming (EHF) Technology *YU Hai-ping, ZHENG Qiu-li, AN Yun-lei*(65)

Process Optimization and Design

Hot Deformation Behavior of NF709 Austenitic Heat-resistant Steel *BAO Han-sheng, WANG Jing-zhong, LIU Zheng-dong, et al.*(73)

Cross-necking Phenomenon in Uniaxial Tensile Tests and Finite Element Analysis of DP600 Dual Phase Steel *WANG Chuan-qiao, GAO Zhi-chun, E Da-xin*(79)

Influences of Different Post-treatments on Microstructure and Cutting Performance of MT-TiCN Coated Cutting Tool *DU Li-ye, QIU Lian-chang, DU Yong, et al.*(83)

Numerical Analysis and Life Prediction of Die Wear Behavior in Multi-Position Progressive Die Blanking *XIONG Ying-chao, XIA Qin-xiang, YE Fu-yuan, et al.*(89)

Main Blanking Force Calculation and Experimental Verification of Closed-Extruding Fine Blanking based on Slip Line Field *LYU Lin, WANG Ruo-huang, MA Yi-long, et al.*(94)

Effects of Wavelength on Incremental Pressing Forming of Sheet Metal *WANG Xiao-lian, WANG Jin, ZHOU Peng, et al.*(98)

Feasibility of Two-Point Incremental Forming Mould in 3D Printing *ZHOU Peng, WANG Jin, WANG Xiao-lian, et al.*(102)

Applied Technology

Metal Armored MI Cable for Motor Winding *YANG Xiao-chen, YU Tian-da, YANG Fang-liang*(107)

New Nondestructive Testing Technology of Welding Quality *YANG Jie, LI Lu-ke, SHEN Hua-gang*(111)

Design of New High-flexible Hook Cold-bending Forming Machine *SHEN Xin-gang, SUN Qian-li, PENG Ming-hua, et al.*(115)